NV-EC1701 Ethernet/PoE over Coax EoC Transceiver

NVT

The NVT Model NV-EC1701 Ethernet/PoE over Coax EoC Transceiver is a compact media converter that allows 10/100BASE-T Ethernet and PoE power to be transmitted using coax cable. These EoC devices are typically used in legacy installations where existing coax is redeployed as part of an upgrade to IP cameras. 48 V DC Class 2 power is delivered to one transceiver, which distributes it to up to four remote transceivers and their PoE cameras.

These transceivers are extremely simple to use, with no IP or MAC address configuration required. Status LEDs indicate power and link connectivity/activity for RJ45 and BNC ports.

The NV-EC1701 is backed by NVT's award-winning customer support and limited lifetime warranty.

FEATURES

- Transmit 10/100BASE-T full duplex Ethernet up to 2,500 ft. (750 m) over RG-59 (or similar)
- Supports up to 60 Mbs of continuous effective bandwidth
- Powers PoE cameras (or other PoE devices), up to 45 watts
- One EoC transceiver at the network end can support up to four remote transceivers/IP cameras using BNC "T" adapters
- Up to four EoC transceivers may be rack-mounted on a NV-RM8/10
- 48 V DC from one power supply is distributed over the coax to all connected equipment
- Transparent network plug-and-play connectivity; no configuration or setup required
- Supports all networking protocols (UDP, TCP/IP, HTTP, etc.)
- Advanced transmission and power technology with built-in transient protection
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
442049	NV-EC1701	Ethernet/PoE over Coax EoC Transceiver
442054	NV-EC1701-KIT1	1-camera kit
442055	NV-EC1701-KIT2	2-camera kit
442056	NV-EC1701-KIT3	3-camera kit
442057	NV-EC1701-KIT4	4-camera kit

Single-channel Passive Transceivers

NVT

The NVT models NV-208A-M and the NV-214A-M transceivers are passive (non-amplified) devices, which allow the transmission of real-time analog video over unshielded twisted-pair (UTP) telephone wire. "Up-the-Coax" telemetry signals are supported when used with any other passive NVT model including NVT passive hubs.

FEATURES

- Single-channel passive transceiver with screwless UTP video-signal termination
- No power required, built-in transient protection, supports "Up-the-Coax" type control signal up to 750 ft.
- Transmit with another passive NVT transceiver up to 750 ft.; transmit up to 3,000 ft. if used with an active receiver
- A-M = Male BNC; the NV-214A-M features a 9 in. mini-coax pigtail and screwless UTP termination
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
322648	NV-208A-M	Single-channel passive video transceiver (male BNC)
299547	NV-214A-M	Single-channel passive video transceiver (mini-coax pigtail)
393096	NV-BKT214-8	Mounting bracket for NV-215J-M (8 each)

For digital-recording applications, it is recommended that passive-to-passive transmission (Example: NV-214A-M) distances be limited to no more than 750 ft. For distances greater than 750 ft., please use an NVT Active Receiver product.

NVT

Single-channel Active Video Receiver

NVT

The NVT model NV-652R Video Receiver is an active, amplified device that allows the transmission of real-time monochrome or color video up to one mile using Category 5e unshielded twisted pair (UTP). Baseband (composite) signals of any type are supported. The unparalleled interference rejection and low emissions of the Model NV-652R allow long-run video signals to coexist in the same wire bundle as telephone, datacom or low-voltage power circuits. This allows the use of a shared or existing cable plant. Ground-lifting ensures no annoying "hum-bars" when ground potential differences exist. With built-in transient protection, damaging voltage-spike problems are eliminated.

FEATURES

- Single-channel active receiver with screw terminal video input termination
- Use with an NVT passive transceiver for distances up to 3,000 ft.
- Use with NV-653T transmitter for distances up to one mile
- Built-in transient protection; built-in ground-lifting
- Built-in brightness and sharpness controls; blue power LED, green video receive LED
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
234067	NV-652R	Active video receiver

The NV-652R requires floating 12-24 V AC/DC; power supply not included.

Single-channel Active Transmitter

NVT

The NVT model NV-653T Video Transmitter is an active, amplified device that allows the transmission of real-time monochrome or color video up to one mile using Category 5e unshielded twisted pair (UTP). Baseband (composite) signals of any type are supported. The unparalleled interference rejection and low emissions of the model NV-653T allows long-run video signals to coexist in the same wire bundle as telephone, datacom or low-voltage power circuits. This allows the use of a shared or existing cable plant. With built-in transient protection, damaging voltage-spike problems are eliminated.

FEATURES

- Single-channel active transmitter with screw terminal video output termination
- Use with an NVT active receiver for distances up to one mile
- Built-in transient protection
- Three-position range switch; blue power LED, green video receive LED
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
234070	NV-653T	Single-channel active video transmitter

The NV-653T requires floating 24 V AC/DC; power supply not included.

Passive 4-channel Video Transceiver

NVT

The NVT model NV-413A 4-channel Video Transceiver is a passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Category 5e unshielded twisted pair (UTP). "Up-the-Coax"-type signal may be sent over the same wire pair. When used as a receiver, the NV-413A is fully compatible with qualified cameras that are equipped with an NVT twisted-pair output.

The unparalleled interference rejection and low emissions of the model NV-413A allow video signals to coexist in the same wire bundle as telephone, datacom or low-voltage power circuits. This allows the use of a shared or existing cable plant. With built-in transient protection, damaging voltage-spike problems are eliminated. It can be used as a passive transmitter or receiver.

FEATURES

- 4-channel passive transceiver with either RJ45 or screw-terminal video termination
- Supports "Up-the-Coax" type control signal up to 750 ft.
- Distances up to 750 ft. when used with another passive transceiver
- Transmit up to 3,000 ft. with NVT active receivers
- No power required
- Built-in transient protection
- Two NV-413As may be rack mounted using the NV-RM8/10 rack panel kit (for further information please contact your local sales office)
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
258752	NV-413A	Passive 4-channel video transceiver

NV-452R 4-channel Active Receiver

NVT

The NVT model NV-452R 4-channel Active Receiver is an active (amplified) device that allows the transmission of real-time monochrome or color video on up to one mile using Category 5e unshielded twisted pair (UTP). The unparalleled interference rejection and low emissions of the model NV-452R allow long-run video signals to coexist in the same wire bundle as telephone, datacom or low-voltage power circuits. This allows the use of a shared or existing cable plant. Ground-lifting ensures no annoying "hum-bars" when ground potential differences exist. With built-in transient protection, damaging voltage-spike problems are eliminated.

FEATURES

- 4-channel active receiver with RJ45 or screw terminal video input termination
- Distances up to 3,000 ft. when used with an NVT passive transceiver
- One mile when used with NV-653T transmitter
- Built-in transient protection and ground-lifting
- Built-in brightness and sharpness controls; blue power LED, green video receive LED
- Two NV-452Rs may be rack-mounted using the NV-RM8/10 rack panel kit (for further information please contact your local sales office)
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
299587	NV-452R	Active 4-channel receiver

The NV-452R requires floating 24 V AC/DC; power supply not included.

Passive Video Transceiver Stub Hubs

NVT

The NVT models NV-813S, NV1613S and NV-3213S are 8-, 16- and 32-channel passive transceiver stub hubs that allow transmission of real-time monochrome or color video over unshielded twisted-pair (UTP) telephone wire. Baseband (composite) signals of any type are twisted-pair supported.

FEATURES

- 19 in. wide, 1U high, less than 2 in. deep
- Supports RJ45 or screw terminal video termination
- Use with another passive transceiver for distances up to 750 ft.
- Use with an NVT active receiver for distances up to 3,000 ft.
- No power required
- Built-in transient protection
- Supports "Up-the-Coax"-type control signal up to 750 ft.
- Includes rack-mount hardware and screw terminal adapters (RJ45A)
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
363025	NV-813S	8-channel passive transceiver stub hub
363174	NV-1613S	16-channel passive transceiver stub hub
363028	NV-3213S	32-channel passive transceiver stub hub

DigitalEQ Active Receiver Hubs

NVT

The NVT models NV-872, NV-1672 and NV-3272 are 8-, 16- and 32-channel DigitalEQ active receiver hubs that allow the transmission of real-time monochrome or color video for distances up to one mile using Category 2 or better unshielded twisted-pair (UTP) wire. The DigitalEQ active receiver hub continuously and automatically compensates for cable attenuation, ground loops and wiring polarity, independent of video-signal image.

FEATURES

- Per channel fully automatic digital signal distance equalization and polarity correction
- Use with an NVT passive transceiver for distances up to 3,000 ft.
- Use with an NVT active transceiver for distances up to one mile
- Supports screw terminal or RJ45 UTP video inputs
- RJ45 video connectivity with optional NV-RJ45A RJ45 to-screw-terminal adapters included
- Includes eight, 16 or 32 2 ft. coax jumper cables, NV-RJ45 adapters and rack-mount hardware
- Built-in transient protection and ground-lifting
- Limited lifetime warranty

NV-872 DIGITALEQ ACTIVE DA HUB

- 8-channel active receiver DigitalEQ receiver DA Hub supports either screw terminal or RJ45 UTP video inputs
- Four distribution amplifier video outputs per input channel
- One mile when used with NV-653T transmitter
- High-density 19 in. 1U high enclosure features eight input channels
- Includes eight 2 ft. coax jumper cables, rack-mount hardware and two screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
361242	NV-872	8-channel DigitalEQ active receiver DA hub

NVT

NV-1672 DIGITALEQ ACTIVE DA HUB

- 16-channel active receiver DigitalEQ receiver DA hub supports either screw terminal or RJ45 UTP video inputs
- Two distribution amplifier video outputs per input channel
- One mile when used with NV-653T transmitter
- High-density 19 in. 1U high enclosure features 16 input channels
- Includes (16) 2 ft. coax jumper cables, rack-mount hardware and four screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
362795	NV-1672	16-channel DigitalEQ active receiver DA hub

NV-3272 DIGITALEQ ACTIVE HUB

- 32-channel active receiver DigitalEQ receiver hub supports either screw terminal or RJ45 UTP video inputs
- One video output per channel -One mile when used with NV-653T transmitter
- High-density 19 in. 1U high enclosure features 32 input and output video channels
- Includes (32) 2 ft. coax jumper cables, rack-mount hardware and eight screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
362797	NV-3272	32-channel DigitalEQ active receiver hub

StubEQ Active Receiver Hubs

NVT

The NVT models NV-442, NV-842, NV-1642 and NV-3242 are 4-, 8-, 16- and 32-channel products that employ NVT's latest generation StubEQ technology that allows the transmission of fiber-like analog video for distances up to 2,000 ft. using Category 2 or better unshielded twisted-pair (UTP) wire. The receiver hub continuously and automatically conditions the video signal, compensating for cable attenuation, ground loops and voltage transients, independent of video-signal content.

FEATURES

- Adaptive StubEQ fully automatic two-band equalization provides adjustment-free equalization every time
- Individually floating 1 A or 0.5 A 28 V AC outputs
- The NV-842, NV-1642 and the NV-3242 are rack mountable and include mounting hardware
- The NV-442 is rack mountable when used with the NV-RM-8/10
- Has a 1.8 in. depth, 11.5 in. 1U high enclosure
- Full-motion CCTV video at distances up to 1,500 ft. when used with any passive NVT transceiver or hub; 2,000 ft. when used with the NV-653T active transmitter
- RJ45 connectivity with optional NV-RJ45A RJ45-to-screw-terminal adapters (included)
- Exceptional interference rejection
- Built-in transient protection and ground-lifting
- Compatible with qualified UTP cameras
- Limited lifetime warranty

NV-442 STUBEQ ACTIVE RECEIVER

- 4-channel StubEQ active receiver hub supports either screw terminal or RJ45 UTP video inputs; 1,500 ft. when used with a passive transceiver at the camera; 2,000 ft. when used with NV-653T transmitter
- Shallow 1.85 in. deep, 11.5 in. 1U high enclosure features four input channels
- Includes one screw terminal adapter (NV-RJ45A)

Anixter No.	Vendor No.	Description
422124	NV-442	4-channel StubEQ active receiver hub

NV-842 STUBEQ ACTIVE RECEIVER HUB

- 8-channel StubEQ active receiver hub supports either screw terminal or RJ45 UTP video inputs; 1,500 ft. when used with a passive transceiver at the camera; 2,000 ft. when used with NV-653T transmitter
- Shallow 1.85 in. deep, 19 in. 1U high enclosure features eight input channels
- Includes eight rack-mount hardware and two screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
393005	NV-842	8-channel StubEQ active receiver hub

NV-1642 STUBEQ ACTIVE RECEIVER HUB

- 16-channel StubEQ active receiver hub supports either screw terminal or RJ45 UTP video inputs; 1,500 ft. when used with a passive transceiver at the camera; 2,000 ft. when used with NV-653T transmitter
- Shallow 1.85 in. deep, 19 in. 1U high enclosure features eight input channels
- Includes eight rack-mount hardware and two screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
393052	NV-1642	16-channel StubEQ active receiver hub

NV-3242 STUBEQ ACTIVE RECEIVER HUB

- 32-channel StubEQ active receiver receiver hub supports either screw terminal or RJ45 UTP video inputs; 1,500 ft. when used with a passive transceiver at the camera, 2,000 ft. when used with NV-653T transmitter
- Shallow 1.85 in. deep, 19 in. 1U high enclosure features eight input channels
- Includes eight rack-mount hardware and two screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
393053	NV-3242	32-channel StubEQ active receiver hub

Passive Single-channel Power-Video Transceiver

NVT

The NVT model NV-216A-PV Power-Video Transceiver with power is a passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Category 5e unshielded twisted pair (UTP). Baseband (composite) signals of any type are supported.

FEATURES

- Single-channel Power-Video transceiver with RJ45 and BNC
- Power-Video (PVD) signals are routed via UTP and RJ45 or screwless terminal block for organized pass-through of inputs/outputs
- Mini-coax pigtail supports in-camera mounting in most dome cameras
- Use with NVT's PVD Power Supply Hubs and Cable Integrators
- Up to 3,000 ft. with an NVT active receiver or hub
- Supports "Up-the-Coax"-type control signal up to 750 ft. when used with a passive transceiver
- Exceptional interference rejection (built-in transient protection)
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
323644	NV-216A-PV	Single-channel Power-Video transceiver

Passive Single-channel Power-Video-Data Transceiver

NVT

The NVT model NV-218A-PVD Power-Video-Data Transceiver is a passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Category 5e unshielded twisted pair (UTP). Baseband (composite) signals of any type are supported.

FEATURES

- Single-channel Power-Video-Data transceiver with RJ45, BNC and screwless terminal inputs
- Power-Video-Data (PVD) signals are routed via UTP and RJ45 or screwless terminal block for organized pass-through of inputs/outputs
- Mini-coax pigtail supports in-camera mounting in most dome cameras
- Use with NVT's PVD Power Supply Hubs and Cable Integrators
- Up to 3,000 ft. with an NVT active receiver or hub
- Supports "Up-the-Coax"-type control signal up to 750 ft. when used with a passive transceiver
- Exceptional interference rejection (built-in transient protection)
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
299548	NV-218A-PVD	Single-channel Power-Video-Data transceiver

NVT

Single-channel Video Transmitter and 12 V DC Converter

NVT

The NVT model NV-226J-PV Video Transmitter and 12 V DC Converter is a passive (non-amplified) video transmitter combined with a 24 AC-to-12 V DC converter. Designed to fit on the back of a fixed 12 V DC camera, this unit is architected to convert 24 V AC power from the control room, while delivering real-time baseband (composite) video at extended distances, all over one 4-pair UTP cable.

FEATURES

- Extended camera power and video (distance) routed through UTP and RJ45
- Supports 12 V DC cameras with onboard regulated power
- Use with NVT's PVD Power Supply Hubs and Cable Integrators
- Video up to 3,000 ft. with NVT's Active Receiver Hubs
- Video up to 750 ft. with NVT's Passive Receiver Hubs
- Supports "Up-the-Coax"-type control signals up to 750 ft.
- Exceptional interference rejection
- Built-in transient protection
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
363158	NV-226J-PV	Passive video transmitter with a 24 AC-to-12 V DC converter

PVD Power Supply Hubs

NVT

The NVT models NV-4PS10-PVD and NV-16PS10-PVD are multichannel power supply integrator hubs which combine a one amp/channel power supply with pass-through video and telemetry data, for up to four and 16 cameras respectively, all over UTP wire. Designed for installation in the wiring/IDF telecom closet, or at the control/MDF room, they consolidate connectivity via standard 4-pair RJ45 EIA/TIA 568B-compliant premises wiring and pin-outs.

FEATURES

- Provides Class 2 SELV camera power, pass-through video and telemetry data connection from four to 16 cameras, each via a single RJ45 4-pair UTP cable
- Standard telecom/datacom structured cabling pin-outs per EIA/TIA 568B
- Independently selectable 24 or 28 V AC with one amp max . per channel
- Automatic-reset fault protection, transient protection
- Individually floating outputs ensure total ground-loop immunity
- Use with the NV-216PV, NV-218-PVD or the NV-226J-PV transceiver at the camera and passive or active receivers at the control room
- Power cameras via UTP over significant distances
- 1U high; 12 in. deep; wall, desk or rack mountable
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
362817	NV-4PS10-PVD	4-channel power supply cable integrator hub
341355	NV-16PS10-PVD	16-channel power supply cable integrator hub
393093	NV-4PSRMBK	Rack panel kit for 4-port power supply products

Multichannel Power Supply Passive Receiver Hubs

NVT

The NVT models NV-4PS13-PVD NV-8PS13-PVD and NV-16PS13-PVD are 4-, 8- and 16-channel hybrid power supply and passive receiver hubs. Designed for installation in the MDF/equipment room, these hubs have independently selectable 24 V AC-OFF-28 V AC outputs that can support channel at-distance camera loads up to one amp per channel.

FEATURES

- Provides Class 2 SELV camera power, pass-through video and telemetry data connection from eight to 16 cameras, each via a single RJ45 4-pair UTP cable
- Standard telecom/datacom structured cabling pin-outs per EIA/TIA 568B
- Independently selectable 24 or 28 V A C with one amp max. per channel (10 amp aggregate)
- Automatic reset fault protection and built-in transient protection
- Individually floating outputs ensure total ground loop immunity
- Diagnostic LEDs show load/no load, mis-wires and overload conditions
- Use with the NV-216PV, NV-218-PVD or the NV-226J-PV transceiver at the camera and passive or active receivers at the control room
- Power cameras via UTP over significant distances
- 1U high; 12 in. deep: wall-, desk- or rack-mountable
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
369845	NV-4PS13-PVD	4-channel power supply passive receiver hub
341356	NV-8PS13-PVD	8-channel power supply passive receiver hub

Anixter No.	Vendor No.	Description
341357	NV-16PS13-PVD	16-channel power supply passive receiver hub
393093	NV-4PSRMBK	Rack panel kit for 4-port power supply products

Power-Video-Data Integrators

NVT

Typically installed in the Wiring Closet or IDF room, the NV-704J-PVD and NV-716J-PVD are passive pass-through wiring devices that efficiently consolidate camera power, video and pan/tilt/zoom data onto a minimum of 4-pair UTP RJ45 cable. Power, video and data are converted at the camera using the NV-218A-PVD or NV-216A-PV transceivers (power and video) which utilize a single 4-pair cable with RJ45 connectors to deliver each camera's signal.

FEATURES

- The NV-704J-PVD and NV-716J-PVD receive low-voltage camera power from any third-party Class 2 power supply
- Control room connections are achieved with a single 4-pair RJ45 cable (Exception: Two cables are required when all four cameras are in use and one or more require data.)
- Control room connections may be made using the NV-413A, NV-452R, and any passive or active NVT hub
- All equipment employs industry-standard TIA/EIA-568-B pin-outs

Anixter No.	Vendor No.	Description
299588	NV-704J-PVD	4-channel power-video-data cable integrator
299589	NV-716J-PVD	16-channel power-video-data cable integrator

Rack Panel Kit

NVT

The NV-RM8/10 Rack Panel Kit allows for the rack mounting of up to 10 single-channel transceivers, such as NV-652R or NV-653T. Alternately, it can support up to two 4-channel devices, such as NV-413A, NV-452R or NV-704J-PVD. The NV-RM8/10 can reside on front or rear rails of the same rack as NVT hubs, multiplexers, DVRs or encoders. This heavy-gauge panel is designed to withstand the mechanical load of multiple coax cables. Threaded holes and screws (included) provide easy product mounting and installation into a 19 in. rack.

FEATURES

- Supports up to 10 individual or two 4-channel models
- Mounting hardware included
- Standard 19 in. wide, 2U high
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
368529	NV-RM8/10	Rack panel kit

Single-channel Passive Transceivers

NVT

The NVT models NV-215J-M (RJ45) and the NV-217J-M (RJ45) transceivers are passive (non-amplified) devices, which allow the transmission of real-time analog video over unshielded twisted-pair (UTP) telephone wire. "Up-the-Coax" telemetry signals are supported when used with any other passive NVT model including NVT passive hubs.

FEATURES

- Single-channel passive transceiver with RJ45 video-signal terminal
- No power required, built-in transient protection, supports "Up-the-Coax" type control signal up to 750 ft.
- Transmit with another passive NVT transceiver up to 750 ft.; transmit up to 3,000 ft. if used with an DigitalEQ active receiver
- A-M = Male BNC; the NV-215J-M features a 9 in. mini-coax pigtail
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
422119	NV-215J-M	Single-channel passive video transceiver (RJ45/male BNC with BNC with mini-coax pigtail)
422120	NV-217J-M	Single-channel passive video transceiver (RJ45/male BNC)

For high-resolution applications, it is recommended that passive-to-passive transmission distances be limited to no more than 750 ft. For distances greater than 500 ft. always use an NVT active-receiver product.

NVT

Power Supply StubEQ Active Receiver Hubs

NVT

Available in 8, 16, or 32 channels in 1U rack-mount configurations. The NV-8PS42-PVD and the NV-16PS42-PVD deliver up to 1 amp of individually floating camera power and two video outputs per channel. The NV-32PS42-PVD model provides five amps per channel and one video output per channel. They offer plug-and-play analog camera power and connectivity at twice the distance of RG-59/U, and five times the distance of PoE Ethernet.

These hubs represent the culmination of years of NVT development, providing all-in-one delivery of camera power, auto-equalized video, and P/T/Z telemetry data, all over extended distances of 4-pair Cat 5 or Cat 6 wire. Using future-proof UTP-based EIA/TIA 568B structured building wiring, these hubs are designed for a fast labor-saving installation. Depending on camera current, distances up to 1,500 feet (450 m) are supported.

FEATURES

- Fully integrated multichannel floating (isolated) power supplies which ensure total ground-loop immunity
- Provides 28 V AC camera power while receiving fully equalized video transmission and delivering P/T/Z telemetry all over a single 4-pair Cat 5e cable

Anixter No.	Vendor No.	Description
422121	NV-8PS42-PVD	8-channel power supply StubEQ receiver hub (one amp/channel, 2 video outputs/channel)
422122	NV-16PS42-PVD	16-channel power supply StubEQ receiver hub (one amp/channel, 2 video outputs/channel)
422123	NV-32PS42-PVD	32-channel power supply StubEQ receiver hub (0.5 amp/channel)

NV-EC1701 Ethernet/PoE over Coax EoC Transceiver

NVT

The NVT Model NV-EC1701 Ethernet/PoE over Coax EoC Transceiver is a compact media converter that allows 10/100BASE-T Ethernet and PoE power to be transmitted using coax cable. These EoC devices are typically used in legacy installations where existing coax is redeployed as part of an upgrade to IP cameras. 48 V DC Class 2 power is delivered to one transceiver, which distributes it to up to four remote transceivers and their PoE cameras. These transceivers are extremely simple to use, with no IP or MAC address configuration required. Status LEDs indicate power and link connectivity/activity for RJ45 and BNC ports. The NV-EC1701 is backed by NVT's award-winning customer support and limited lifetime warranty.

FEATURES

- Transmit 10/100BASE-T full duplex Ethernet up to 2,500 ft. (750 m) over RG-59 (or similar)
- Supports up to 60 Mbs of continuous effective bandwidth
- Powers PoE cameras (or other PoE devices), up to 45 watts
- One EoC transceiver at the network end can support up to four remote transceivers/IP cameras using BNC "T" adapters
- Up to four EoC transceivers may be rack-mounted on a NV-RM8/10
- 48 V DC from one power supply is distributed over the coax to all connected equipment
- Transparent network "plug-and-play" connectivity; no configuration or setup required
- Supports all networking protocols (UDP, TCP/IP, HTTP, etc.)
- Advanced transmission and power technology with built-in transient protection
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
442049	NV-EC1701	Ethernet/PoE over Coax EoC Transceiver
442054	NV-EC1701-KIT1	1-camera kit
442055	NV-EC1701-KIT2	2-camera kit
442056	NV-EC1701-KIT3	3-camera kit
442057	NV-EC1701-KIT4	4-camera kit

Video Multiplexers

IFS

IFS offers a complete line of analog and digital video multiplexers - from 2 channels to 32 channels of video. In addition, they provide a multitude of multiplexers that combine video/data and video/audio.

Options: PS-12VDC 12-volt DC plug-in power supply (included).

PS-12VDC-230 12-volt DC plug-in power supply, 230 V AC input (included if specified at time of order). Add '-R3' to model number for R3 Rack-Mount - no charge. (Requires R3 rack purchased separately.) Add 'C' for conformally coated printed circuit boards. Consult your salesperson.

FEATURES

- Choice of analog FM or digital transmission
- 10 MHz bandwidth per channel
- No in-field adjustments
- Power and signal status LEDs to monitor system performance
- Real-time color transmission
- Wide operating ambient temperature range (-40° to 74°C)
- Lifetime warranty

2-CHANNEL DIGITAL MULTIPLEXER, CHOOSE FROM SM OR MM TRANSMISSION OVER A SINGLE FIBER

Anixter No.	Vendor No.	Description
243517	VT7220	MM, transmitter
243518	VT7230	SM, transmitter
304104	VT7220-R3	MM, transmitter rack-mount
254994	VT7230-R3	SM, transmitter rack-mount
243519	VR7220	MM, receiver
304013	VR7220-R3	MM, receiver rack-mount
243520	VR7230	SM, receiver
254996	VR7230-R3	SM, receiver rack-mount

4-CHANNEL DIGITAL MULTIPLEXER, SM OR MM

Anixter No.	Vendor No.	Description
243525	VT7420	4-channel digital video transmitter, multimode laser, requires 1F
304116	VT7420-R3	MM, 4-channel transmitter, 1F, rack-mounted
252242	VT7430-R3	SM, transmitter, 1300 nm laser, 1F, rack-mount
243526	VR7420	MM, receiver, 1300 nm, 1F
272167	VR7420-R3	MM, receiver, 1300 nm, 1F, rack-mount
243529	VR7430	SM, receiver, 1300 nm laser, 1F
254102	VR7430-R3	SM, receiver, 1300 nm laser, 1F, rack-mount

4-CHANNEL DIGITAL MULTIPLEXER, SINGLE-MODE WITH 2 BI-DIRECTIONAL DATA VIA RS-232, RS-422, RS-485, TWO- OR FOUR-WIRE

Anixter No.	Vendor No.	Description
279049	VR7420-2DRDT	MM, receiver
279048	VT7420-2DRDT	MM, transmitter
270738	VR7430-2DRDT	SM, receiver
271961	VT7430-2DRDT	SM, transmitter

8-CHANNEL DIGITAL MULTIPLEXER, SM OR MM TRANSMISSION OVER A SINGLE FIBER

Anixter No.	Vendor No.	Description
243537	VT7820	MM, transmitter, 1300 nm, 1F
304121	VT7820-R3	MM, transmitter, 1300 nm, 1F, rack-mount
240380	VT7830	SM, transmitter, 1300 nm laser, 1F
304123	VT7830-R3	SM, transmitter, 1300 nm laser, 1F, rack-mounted
243538	VR7820	MM, receiver, 1300 nm, 1F
393836	VR7820-R3	MM, receiver, 1300 nm, 1F, rack-mount
240385	VR7830	SM, receiver, 1300 nm laser, 1F
304028	VR7830-R3	SM, receiver, 1300 nm laser, 1F, rack-mount

8-CHANNEL DIGITAL MULTIPLEXER, SM, 2 BI-DIRECTIONAL DATA VIA RS-232, RS-422, RS-485, TWO- OR FOUR-WIRE

Anixter No.	Vendor No.	Description
304119	VT7820-2DRDT	MM, transmitter
304025	VR7820-2DRDT	MM, receiver
243539	VT7830-2DRDT	SM, transmitter
243540	VR7830-2DRDT	SM, receiver

16-CHANNEL DIGITAL MULTIPLEXER, SM OR MM TRANSMISSION OVER A SINGLE FIBER

Anixter No.	Vendor No.	Description
243541	VT71620-R3	MM, transmitter, 1300/1550 nm, 1F, rack-mount
243542	VR716020-R3	MM, receiver, 1300/1550 nm, 1F, rack-mounted
243543	VT71630-R3	SM, transmitter, 1300/1550 nm, 1F, rack-mounted
243544	VR71630-R3	SM, receiver, 1300/1550 nm, 1F, rack-mount

RACK-MOUNT CARD CAGE

Anixter No.	Vendor No.	Description
243589	R3	19 in. rack, 115 V AC input (includes power supply)
243590	R3-230	19 in. rack-mount card cage, 14 slots, 230 V AC input
243591	R3-BP	Blank panel for R3 card cage (1 in.)

IFS

Video Transmission

IFS

The IFS FiberPak Videolinks Kit includes everything you need to transmit a CCTV signal (either fixed or PTZ) on one multimode optical fiber. FiberPaks are available in five models compatible with Bosch, Javelin, Kalatel, Panasonic, Pelco, Sensormatic AD, Vicon, Videolarm and other CCTV manufacturers.

The FiberPak Kit includes: transmitter and receiver; power supplies; installation and operation manuals; lifetime warranty.

Note: Single-mode and rack-mount versions of these products are available separately to meet your system-configuration needs.

FEATURES

- No in-field adjustments
- Full-range Automatic Gain Control (AGC)
- Automatic resettable fuses on all power lines
- Transparent data encoding/compatible with major data protocols
- Power and AGC status LEDs to monitor system performance
- Wide operating ambient temperature range (-40° to +74°C)

Anixter No.	Vendor No.	Description
243512	FP1101	MM, 850 nm, 1F, fixed video
240399	FP1500WDM	MM, 850/1300 nm, 1F, video with one-way data
243513	FP1505WDM	MM, 850/1300 nm, 1F, video with up-the-coax data
243514	FP1910WDM	MM, 850/1300 nm, 1F, video with bi-directional data
303850	FP6010	MM, 4-channel video transmission kit, 1F

Contact Closure Transmission

IFS

IFS offers a line of equipment that allows up to eight contact closure transmissions over one optical fiber or Ethernet. For alarm event-triggering, building HVAC, fire BA access control, lane/gate control.

FEATURES

- No in-field adjustments
- Relay contact rating: 200 V DC, 0.5 amps, normally open
- Wide operating ambient temperature range (-40° to +74°C)
- Lifetime warranty

TRANSMITTERS

Anixter No.	Vendor No.	Description
332765	DT3010	MM, transmitter, 850 nm, 1F
341453	DT3025	SM, transmitter, 1300 nm, 1F
341454	DT3030	SM/MM, transmitter, 1300 nm, 1F
347820	DT3010-R3	MM, transmitter, 850 nm, 1F, rack-mounted
393855	DT3025-R3	SM, transmitter, 1300 nm, 1F, rack-mounted
393856	DT3030-R3	SM/MM, transmitter, 1300 nm, 1F, rack-mounted
359514	DECT3000	Ethernet converter 10/100
359515	DECT3020	MM, transmitter, contact closure to Ethernet, 2F
359517	DECT3030	SM, transmitter, contact closure to Ethernet, 2F

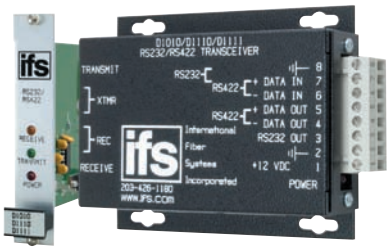
RECEIVERS

Anixter No.	Vendor No.	Description
332766	DR3010	MM, receiver, 850 nm, 1F
342971	DR3010-R3	MM, receiver, 850 nm, 1F, rack-mounted
341456	DR3020	MM, receiver, 1300 nm, 1F
393857	DR3020-R3	MM, receiver, 1300 nm, 1F, rack-mounted
341457	DR3025	SM, receiver, 1300 nm, 1F
393859	DR3025-R3	SM, receiver, 1300 nm, 1F, rack-mounted
341455	DR3030	SM/MM, receiver, 1300 nm, 1F
303827	DR3030-R3	SM/MM, receiver, 1300 nm, 1F, rack mounted
359519	DECR3000	8-channel contact closure to Ethernet Rx, 10/100TX electrical

Anixter No.	Vendor No.	Description
359520	DECR3020	8-channel contact closure to Ethernet Rx, 100FX MM
359522	DECR3030	8-channel contact closure to Ethernet Rx, 100FX SM

Data Transmission

IFS



IFS offers a complete line of analog and digital data transmission products for RS-232; RS-422; and RS-485 (two-wire or four-wire) serial data. These modules can be used to design point-to-point, drop-and-repeat and self-healing ring data network topologies. Wide operating ambient temperature range (-40° to +74°C).

RS-232/422 POINT-TO-POINT TRANSCEIVERS

Anixter No.	Vendor No.	Description
243547	D1010	MM, 850 nm, 2F
272171	D1010WDMA	MM, 850/1300 nm, 1F (side A)
303702	D1010WDMB	MM, 1300/850 nm 1F (side B)
243548	D1020	MM, 1300 nm, 2F
243549	D1025	SM, 1300 nm, 2F
303704	D1030	SM, 1300 nm, 2F
303706	D1030WDMA	SM, 1300 nm 1F (side A)
303708	D1030WDMB	SM, 1500 nm 1F (side B)
303753	D2300WDM	MM, 850/1300 nm, 1F
303808	D9130WDM-R3	SM, 1300 nm, 1F, rack-mount

RS-232/422 DROP-AND-REPEAT TRANSCEIVERS

Anixter No.	Vendor No.	Description
243551	D2100	MM, 850 nm, 2F
303743	D2100WDM	MM, 850/1300 nm, 1F
243552	D2120	MM, 1300 nm, 2F
243553	D2130	SM, 1300 nm, 2F

RS-485 (TWO-WIRE) POINT-TO-POINT TRANSCEIVERS

Anixter No.	Vendor No.	Description
243554	D1300	MM, 850 nm, 2F
243556	D1325	SM, 1300 nm, 2F

RS-485 (TWO-WIRE) DROP-AND-REPEAT TRANSCEIVERS

Anixter No.	Vendor No.	Description
240395	D2300	MM, 850 nm, 2F
243558	D2325	SM, 1300 nm, 2F
303753	D2300WDM	MM, 850/1300 nm, 1F

RS-485 (FOUR-WIRE) POINT-TO-POINT TRANSCEIVERS

Anixter No.	Vendor No.	Description
243559	D1315	MM, 850 nm, 2F
303722	D1315WDMA	MM, 850/1300 nm, 1F (side A)
303724	D1315WDMB	MM, 1300/850 nm, 1F (side B)
243560	D1315-SM	SM, 1300 nm, 2F

RS-485 (FOUR-WIRE) DROP-AND-REPEAT TRANSCEIVERS

Anixter No.	Vendor No.	Description
243561	D2315	MM, 850 nm, 2F
243562	D2315-SM	SM, 1300 nm, 2F
303759	D2315WDM	MM, 850/1300 nm, 1F

SELF-HEALING RING DATA TRANSCEIVER (RS-232/422, RS-485, TWO- OR FOUR-WIRE)

Anixter No.	Vendor No.	Description
243566	D19130SHR	SM, 1300 nm, 2F

DROP-AND-REPEAT POLL AND RESPOND TRAFFIC SIGNAL NETWORKS

Anixter No.	Vendor No.	Description
396385	D19130	SM, 1300 nm, 2F
396386	D19130-R3	SM, 1300 nm, 2F rack-mount
396387	D19130WDM	SM, 1300 nm, 1F
303808	D9130WDM-R3	SM, 1300 nm, 1F, rack-mount

UNIVERSAL DATA TO ETHERNET BI-DIRECTIONAL DATA TRANSCEIVERS

Anixter No.	Vendor No.	Description
359509	DED2500-E	Serial to Ethernet media converter, 10/100TX, Electrical
359510	DED2500-M	Serial to Ethernet media converter, 100FX MM
359512	DED2500-S	Serial to Ethernet media converter, 100FX SM

DROP AND REPEAT POLL AND RESPOND TRAFFIC SIGNAL NETWORKS

Anixter No.	Vendor No.	Description
303806	D9130-R3	SM, 1300 nm, 2F
303808	D9130WDM-R3	SM, 1300 nm, 1F, rack-mount

IFS

Full Duplex Data Multiplexer

IFS

The IFS D8000 Series is a fully digital data multiplexer that supports up to eight channels of full-duplex data on one optical fiber, and is ideal for those applications where the available fiber count may be limited or additional data channels must be added to an existing optical cable plant. These environmentally hardened data multiplexers are designed for use in unconditioned out-of-plant or roadside installations. Any of the eight available data channels may be independently configured for either RS-232, RS-422 or RS-485 (2- or 4-wire) operation, providing a high level of versatility. Plug-and-play design ensures ease of installation and no electrical or optical adjustments are ever required. LED status indicators are provided for rapidly ascertaining equipment-operating status, and these units are available in either stand-alone or rack-mount configurations.

FEATURES

- Supports up to eight channels of full-duplex RS-232, RS-422, and RS-485 (two- or four-wire) data on one or two fibers
- Environmentally hardened design assures extremely high reliability in unconditioned roadside or out-of-plant environments
- Transparent to data encoding
- Automatic resettable solid-state current limiters
- Data rates up to 115 kbps
- No in-field electrical or optical adjustments required
- Integrated WDM for greater product reliability
- Tested and certified by an independent testing laboratory for full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- Operating power, transmit and receive data, TDM lock and optical carrier detect LED status indicators
- Hot-swappable rack modules
- Distances up to 37 miles (60 km)
- Lifetime warranty

Anixter No.	Vendor No.	Description
303776	D8020WDMA	8-channel transceiver multimode, 1 fiber, "A" end
303778	D8020WDMB	8-channel transceiver multimode, 1 fiber, "B" end
303782	D8030WDMB	8-channel transceiver single-mode, 1 fiber, "A" end
303777	D8020WDMA-R3	8-channel transceiver multimode, 1 fiber, "A" end, rack-mount
303779	D8020WDMB-R3	8-channel transceiver multimode, 1 fiber, "B" end rack-mount
303781	D8030WDMA-R3	8-channel transceiver single-mode, 1 fiber, "A" end rack-mount
303783	D8030WDMB-R3	8-channel transceiver single-mode, 1 fiber, "A" end rack-mount

IFS Hardened 10/100 Media Converters

IFS

The IFS D7400 and D7100 Series Ethernet Media Converters combine 10/100 Ethernet signals over one or two optical fibers. The D7400 features four RJ45 ports and two fiber ports for drop-and-repeat. The IFS D7400 and D7100 Converters are compatible devices complying with IEEE 802.3. Models within this series are available for use with multimode or single-mode optical fiber and are compatible with standard 100-FX networks. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. Each converter incorporates power and link status-indicating LEDs for monitoring proper system operation. In addition, two continuously active contact closure relays are available to activate an external audible or visual warning signal in the event of a fiber break or loss of power.

FEATURES

- Plug-and-play installation
- D7400 Series combines four RJ45 ports to Fiber 10/100
- D7100 converts one RJ45 port to fiber 10/100
- Auto-negotiate or switch-selectable data rate
- Auto network detection MDI/MDI-X
- Environmentally hardened -40° to +74°C
- Multimode or single-mode versions
- UL Listed
- Lifetime warranty

Anixter No.	Vendor No.	Description
272993	D7420	MM, 850 nm, 2F, Ethernet
272994	D7420WDM	MM, 850/1300 nm, 1F, Ethernet
272995	D7430WDM	SM, 1310 nm/1550 nm, 1F, Ethernet
272985	D7120	MM, 850 nm, 2F, Ethernet
272990	D7120WDMA/B	MM, 850/1300 nm, 1F, Ethernet

10/100 Mbps Ethernet Optical Transceiver

IFS

The IFS D7100 Series Ethernet transceiver is designed to transmit and receive 10 or 100 Mbps data over multimode or single-mode fiber. The IFS D7100 Series will function as a 10 Mbps Ethernet link, or as a 100 Mbps Ethernet link without any adjustments. The D7100 Series is environmentally hardened to operate in extreme temperatures. Status-indicating LEDs for power and data type are present at the RJ45 connector and at the fiber optic transceiver end. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments.

FEATURES

- Plug-and-play installation
- Supports 10 or 100 Mbps Ethernet data
- Auto-negotiate or switch-selectable data rate
- Auto network detection MDI/MDI-X
- Environmentally hardened -40° to +74°C
- Multimode or single-mode versions
- UL Listed
- Lifetime warranty

Anixter No.	Vendor No.	Description
272985	D7120	MM, 850 nm, 2F, Ethernet
272990	D7120WDMA/B	MM, 850/1300 nm, 1F, Ethernet

IFS Hardened Unmanaged 3-port Switch

IFS

The IFS DE7100 and DE7300 Series Ethernet 3-port transceivers are designed to combine and convert Ethernet data over multimode, single-mode or Ethernet cable. The DE7100 provides 10/100 ports. The DE7300 provides 10/100/1000 ports. Both available in any combination of electrical or optical ports. They are environmentally hardened to operate in extreme temperatures. Loss of optical link contact closure for remote alarm sensing. Status-indicating LEDs for power and data activity are present at the RJ45 connector. At the fiber optic transceiver end, link and data LEDs provide operational status. Plug-and-play design ensures ease of installation, requiring no optical adjustments. The modules are available in stand-alone only.

FEATURES

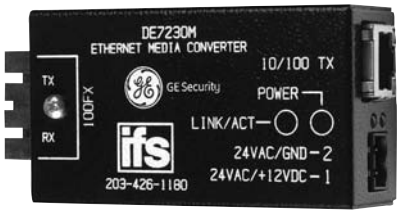
- Auto network detection MDI/MDI-X
- Full-duplex or half-duplex data
- Distances up to 45 km (28 miles)
- Extended ambient operating temperature range: -40°C to +74°C
- Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- No in-field optical adjustments required
- Power, transmit and receive data status LED indicators
- Loss of optical link contact closure
- IEEE 802.3 compliant
- Lifetime warranty

Anixter No.	Vendor No.	Description
359496	DE7300-EE	3-port Gigabit Ethernet switch, 3 x 10/100/1000 TX electrical
359500	DE7300-MS	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 1 x 1000 FX MM, 1 x 1000 FX SM
359498	DE7300-MM	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 2 x 1000 FX MM
359499	DE7300-M3	3-port Gigabit Ethernet switch, 3 x 1000 FX MM
359502	DE7300-SS	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 2 x 1000 FX SM
359501	DE7300-SE	3-port Gigabit Ethernet switch, 2 x 10/100/1000 TX electrical, 1 x 1000 FX SM
359490	DE7100-EE	3-port Ethernet switch multimode
359492	DE7100-MM	3-port Ethernet switch, 2 x 100 FX MM, 1 x 10/100 TX electrical
359491	DE7100-ME	3-port Ethernet switch, 1 x 100 FX MM, 2 x 10/100 TX electrical
359495	DE7100-SS	3-port Ethernet switch, 2 x 100 FX SM, 1 x 10/100 TX electrical

IFS

IFS Hardened Ethernet to Fiber Media Converters

IFS



The IFS DE7200, D7200M and DE7400 Series Ethernet to Fiber Media Converters are designed to convert and transmit Ethernet signals over fiber. When space is at a premium, use the D7200M series inside IP and megapixel camera housings. The DE7200 and D7200M convert 10/100 signals. The DE7400 series converts 10/100/1000 Ethernet signals. The entire series is designed to work over multimode or single-mode to take Ethernet signals beyond the networking limitations of 100 meters. The series is environmentally hardened to operate in extreme temperatures. Loss of optical link contact closure for remote alarm sensing. Status indicating LEDs for power and data rate are present at the RJ45 connector. At the fiber optic transceiver end, link and data LEDs provide operational status. Plug-and-play design ensures ease of installation requiring no optical adjustments. The modules are available in stand-alone only. Device used to take IP signals from access control, IP cameras, megapixel cameras, traffic systems, or any IP system farther than 300 feet.

FEATURES

- Auto Network Detection MDI/MDI-X sensing
- Full-duplex or half-duplex data
- Distances up to 45 km (28 miles)
- Extended ambient operating temperature range: -40°C to +74°C
- Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- Multimode and single-mode versions available
- SC optical connectors standard
- No in-field optical adjustments required
- Power, transmit and receive data status LED indicators
- Loss of optical link contact closure
- LEEE 802.3 compliant
- Lifetime warranty

Anixter No.	Vendor No.	Description
359483	DE7200-M	2-port Ethernet media converter, 1 x 100 FX MM, 1 x 10/100 TX electrical
359484	DE7200-MM	2-port Ethernet repeater, 2 x 100 FX MM
359485	DE7200-MS	2-port Ethernet mode converter, 1 x 100 FX MM, 1 x 100 FX SM
359486	DE7200-S	2-port Ethernet media converter, 1 x 100 FX SM, 1 x 10/100 TX electrical
359488	DE7210M	2-port mini Ethernet converter, MM, 1300 nm, 1F
393861	DE7230M	2-port mini Ethernet converter, SM, 1300 nm, 1F
359487	DE7200-SS	Ethernet on fiber repeater (4 SM) 10/100
359489	DE7230M	Ethernet to fiber (2 SM) 10/100 mini media converter
424766	DE7400-MM	Ethernet on fiber repeater (4 MM) GigE
424767	DE7400-MS	Ethernet on fiber mode converter, single-mode to multimode GigE (2 SM and 2 MM)
424769	DE7400-SS	Ethernet on fiber repeater (4 SM) GigE

10/100 Mbps Ethernet 3-port Transceiver

IFS

The IFS DE7300 Series Gigabit Ethernet 3-port transceiver is designed to transmit and receive 1,000 Mbps data over fiber or 10/100/1000 Mbps data over Cat 5e electrical cable. It is available in any combination of electrical or optical ports. The DE7300 is environmentally hardened to operate in extreme temperatures. Loss of optical link contact closure for remote alarm sensing. Status-indicating LEDs for power and data activity are present at the RJ45 connector. At the fiber optic transceiver end, link and data LEDs provide operational status. Plug-and-play design ensures ease of installation, requiring no optical adjustments. The modules are available in stand-alone versions only.

FEATURES

- 10/100/1000 Mbps Ethernet
- 10/100/1000BASE-T electrical port
- 1000BASE-FX optical port
- Full-duplex or half-duplex data
- Automatic Network Detection Mdi/Mdi-x
- Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- Extended ambient operating temperature range: -40°C to +74°C
- No in-field optical adjustments required
- Power, transmit and receive data status LED indicators
- Loss of optical link contact closure
- Distances up to 30 km (18 miles)
- SC optical connectors standard
- IEEE 802.3 compliant
- Lifetime warranty

Anixter No.	Vendor No.	Description
359496	DE7300-EE	3-port Gigabit Ethernet switch, 3 x 10/100/1000 TX electrical
359500	DE7300-MS	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 1 x 1000 FX MM, 1 x 1000 FX SM
359498	DE7300-MM	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 2 x 1000 FX MM
359499	DE7300-M3	3-port Gigabit Ethernet switch, 3 x 1000 FX MM
359502	DE7300-SS	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 2 x 1000 FX SM
359501	DE7300-SE	3-port Gigabit Ethernet switch, 2 x 10/100/1000 TX electrical, 1 x 1000 FX SM

10/100/1000 Mbps Gigabit Ethernet 2-port Transceiver

IFS

The IFS DE7400 Series Gigabit Ethernet 2-port transceiver is designed to transmit and receive 1000 Mbps data over fiber or 10/100/1000 Mbps data over Cat 5e electrical cable. It is available in any combination of electrical or optical ports. The DE7400 is environmentally hardened to operate in extreme temperatures. Loss of optical link contact closure for remote alarm sensing. Status-indicating LEDs for power and data activity are present at the RJ45 connector. At the fiber optic transceiver end, link and data LEDs provide operational status. Plug-and-play design ensures ease of installation, requiring no optical adjustments. The modules are available in either stand-alone or rack-mount versions.

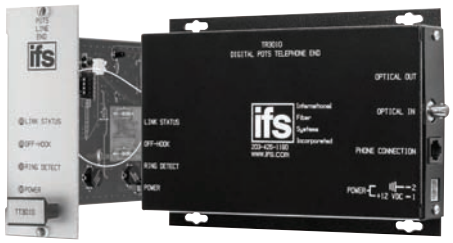
FEATURES

- 10/100/1000 Mbps Ethernet
- 10/100/1000BASE-T electrical port
- 1000BASE-FX optical port
- Full-duplex or half-duplex data
- Auto Network Detection Mdi/Mdi-x
- Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- Extended ambient operating temperature range: -40°C to +74°C
- No in-field optical adjustments required
- Power, transmit and receive data status LED indicators
- Loss of optical link contact closure
- Distances up to 30 km (18 miles)
- SC optical connectors standard
- IEEE 802.3 compliant
- Lifetime warranty

Anixter No.	Vendor No.	Description
359504	DE7400-M	2-port Gigabit Ethernet media converter, 1 x 10/100/1000 TX electrical, 1 x 1000 FX MM, 2F
359507	DE7400-S	2-port Gigabit Ethernet media converter, 1 x 10/100/1000 TX electrical, 1 x 1000 FX SM, 2F

Telephony Transmission

IFS



The TT3000 Series touch-tone telephone digital interface provides extended transmission of analog POTS (plain old telephone service) and 24-volt PBX (private branch exchange) systems over one or two fiber optic fibers using the latest in digital transmission technology. The modules also support many enhanced telephone services offered by telephone providers, such as Caller ID, call waiting and three-way calling. Use to make emergency phones fiber ready.

FEATURES

- Full FM or digital design
- 10 Mhz bandwidth per channel
- No in-field adjustments
- Wide operating ambient temperature range (-40° to +74°C)
- Lifetime warranty

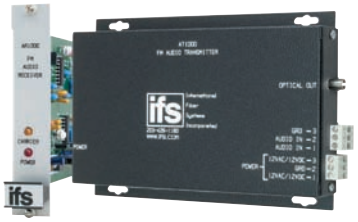
Anixter No.	Vendor No.	Description
341458	TT3020WDM	MM, transmitter, 850 nm, 1F

Note: Add '-R3' to model number for rack-mounting. Requires R3 rack, purchased separately

IFS

Audio Transmission

IFS



IFS offers a complete line of analog and digital audio-transmission products for line-level applications with balanced and/or unbalanced configurations. Modules are available for point-to-point and repeater topologies. Specialized units for intercom, emergency broadcast, videoconferencing/distance learning and multimedia applications are also available. Note: Add '-R3' to model number for rack-mounting. Requires R3 rack, purchased separately.

FEATURES

- Full FM or digital design
- 10 MHz bandwidth per channel
- No in-field adjustments
- Wide operating ambient temperature range (-40° to +74°C)
- Lifetime warranty

POINT-TO-POINT AUDIO TRANSMITTERS AND RECEIVERS

Anixter No.	Vendor No.	Description
240397	AT1000	MM, transmitter, 850 nm
243570	AT1025	SM, transmitter, 1300 nm
240398	AR1000	MM, receiver, 850 nm
243572	AR1030	SM/MM, receiver, 1300 nm

AUDIO REPEATER

Anixter No.	Vendor No.	Description
243575	A2120	MM, 1300 nm, 2F
243576	A2125	SM, 1300 nm, 2F

DIGITAL 4-CHANNEL AUDIO MULTIPLEXER

Anixter No.	Vendor No.	Description
303697	AT7430	SM, transmitter, 850 nm
303688	AR7430	SM, receiver, 850 nm

AIPHONE VIDEO INTERCOM SYSTEM

Anixter No.	Vendor No.	Description
243578	VIC5211M	MM, master, 1F
243579	VIC5211R	MM, remote, 1F

BI-DIRECTIONAL VIDEO, AUDIO AND DATA TRANSCEIVER

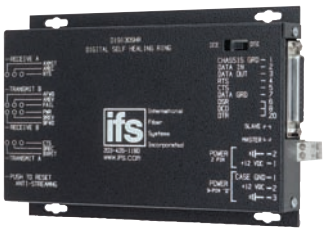
Anixter No.	Vendor No.	Description
243580	VAD7010WDMA	MM, 1300/850 nm, 1F
243581	VAD7010WDMB	MM, 850/1300 nm, 1F

TELEPHONE INTERFACE

Anixter No.	Vendor No.	Description
341458	TT3020WDM	MM, transmitter, 850 nm, 1F

Self-healing Ring/Full-duplex Data Transceiver D19100SHR Series

IFS



The D19130SHR Series Self-healing Ring Transceiver unit is a fully digital transceiver designed for implementing traffic signalization/communications data networks of the highest possible reliability. Unlike competing products, the multiple-master capability of this series provides full protection against the possibility of a single point of failure, significantly enhancing the reliability and availability of the network. Primary and alternate-master transceiver units may be either co-located or diversity located, and the data input/output interconnection to the primary and alternate-master units is achieved by the use of a simple "Y" electrical cable.

FEATURES

- Unique multiple-master capability eliminates the possibility of a single point of failure within the network
- Simple "Y" electrical cable provides data interconnect between primary and alternate-master transceiver units
- Full data reclocking and regeneration
- User-configurable optical and electrical anti-streaming provides network protection against faulty streaming controller operation

Anixter No.	Vendor No.	Description
303739	D19130SHR-R3	SM, 1300 nm, 2F, rack-mount

Ethernet to Coax Media Converter

IFS

IFS offers a cost-effective solution to use coaxial cable to transmit a 10/100 Ethernet signal. Use the coax converter in pairs, one at each end of the cable. Not only can you transmit a fast Ethernet signal on coax, but you can reach distances beyond 1,000 meters. Great appliance for IP anywhere coax cable exists, like existing hospitals and hotels with cable-TV or analog-camera systems.

FEATURES

- One RJ45 to one BNC female connector
- Wall-mount design
- 50 or 75 ohm coax
- Selectable data rate

- Supports RG-6, RG-58 and RG-59
- 5 V DC, 2-amp power supply sold separately
- Three-year warranty

Anixter No.	Vendor No.	Description
424749	MCE-COAX	Ethernet to coax 10/100 media converter; order in quantities of two
424756	PS5VDC2A-US	Wall-mount power supply 5 V DC 2 amps for splitters

UTP Passive Baluns

IFS

IFS offers a complete line of passive baluns and combiners. Compact design and broad product range are designed to meet every video-signal application. Capable of transmitting video up to 750 feet with no power. Use active receivers for distances up to 3,000 feet. Built-in surge protection available on select models.

FEATURES

- Compact size and no power required
- Plug-and-play
- Supports video and "Up-the-Coax" PTZ
- Compatible with existing UTP products
- Lifetime warranty

Anixter No.	Vendor No.	Description
425167	GEC-PVTC-M	Passive balun, male BNC, screwless terminal
425168	GEC-PVTC-MC	Passive balun, male BNC, 9 in. coax lead
425170	GEC-PVTC-MRTSP	Passive balun, male BNC, right angle, surge protection
425171	GEC-PVTC-MCSP	Passive balun, male BNC, 9 in. coax lead, surge protection
425172	GEC-PVTC-MSP	Passive balun, male BNC, surge protection
425174	GEC-PVTC-FCSP	Passive balun, female BNC, surge protection

UTP Active 1-channel Transmitters and Receivers

IFS

IFS offers feature-rich 1-channel active transmitters and receivers. This series delivers UTP transmission for distances up to 2,000, 4,000 and 6,000 ft. Without any field adjustment, automatic video compensation delivers high-resolution video over UTP. The active receiver paired with a passive balun will transmit video up to 2,000 ft. Use the active transmitter and active receiver for 4,000 ft. To achieve 6,000 ft. on UTP, use the active transmitter with active receiver series designed for 6,000 ft.

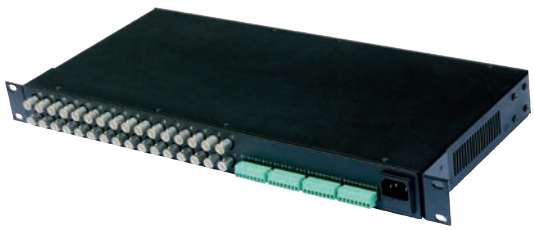
FEATURES

- Built-in video compensation to deliver high-resolution video
- Plug-and-play
- Ground loop immunity
- Built-in surge protection
- Lifetime warranty
- 12 V DC power supply, sold separately

Anixter No.	Vendor No.	Description
424731	PS12VDC1.5A-U	Power supply wall-mount universal 12 V DC 1.5 amp
425175	GEC-1AVT	1-channel active video transmitter
425176	GEC-1AVR-AVC-4	1-channel active receiver, up to 4,000 feet

UTP Multichannel HUBs

IFS



The UTP Multichannel HUB series offers a broad range of products. The series offers passive and active HUBs. Compatible with most existing UTP transmitters. Passive HUBs transmit video up to 750 feet. The active HUB series offers built-in video compensation for a perfect picture quality transmitting to the maximum distance rating of each unit.

FEATURES

- Built-in video compensation to deliver high-resolution video
- Plug-and-play
- Ground loop immunity

Continued on next page >>

IFS

(continued) UTP Multichannel HUBs

- Built-in surge protection
- Lifetime warranty
- 12 V DC power supply, sold separately

UTP MULTICHANNEL PASSIVE HUBS

Anixter No.	Vendor No.	Description
425177	GEC-4VPHUB	4-channel passive hub
425179	GEC-8VPHUB	8-channel passive hub, 1U rack-mount
425180	GEC-16VPHUB	16-channel passive hub, 1U rack-mount
425181	GEC-32VPHUB	32-channel passive hub, 1U rack-mount
424731	PS12VDC1.5A-U	Power supply wall-mount universal 12 V DC 1.5 amp

UTP MULTICHANNEL ACTIVE HUBS

Anixter No.	Vendor No.	Description
425185	GEC-8VARHUB-4	8-channel active hub, 4,000 feet max. 1U rack-mount
425186	GEC-16VARHUB-4	16-channel active hub, 4,000 feet max. 1U rack-mount
425188	GEC-32VARHUB-4	32-channel active hub, 4,000 feet max. 1U rack-mount
425189	GEC-8VARHUB-6	8-channel active hub, 6,000 feet max. 1U rack-mount
425190	GEC-16VARHUB-6	16-channel active hub, 6,000 feet max. 1U rack-mount
425192	GEC-32VARHUB-6	32-channel active hub, 6,000 feet max. 1U rack-mount
424731	PS12VDC1.5A-U	Power supply wall-mount universal 12 V DC 1.5 amp

UTP Video, Data, Power Combiners

IFS

Simplify CCTV design and installations over a single UTP cable. Combiners transmit video and receive data and power. This product series lowers the cost of wiring by using one cable to the camera and combining multiple camera runs into one cable. Increased system reliability is achieved by using the built-in isolated central power supply and self-resetting fuses.

FEATURES

- Built-in video compensation to deliver high-resolution video
- Plug-and-play
- Ground loop immunity
- Built-in surge protection
- 8-channel camera power supply 24 V AC, 6 amps
- 16-channel camera power supply 24 V AC, 12 amp
- Lifetime warranty

Anixter No.	Vendor No.	Description
425193	GEC-VCR	1-channel combiner, video balun and power receiver
425194	GEC-VCR12V	1-channel combiner, video balun and power receiver, plus 12 V DC converter
425196	GEC-VPDBC	1-channel combiner, video balun, data/power receiver
425199	GEC-4VDPC	4-channel video, data/power combiner
425200	GEC-4VDPBC	4-channel video balun and data/power combiner
425201	GEC-8VPDCHUB	8-channel power supply plus VDP combiner
425202	GEC-8PVPDTCHUB	8-channel power supply, VDP combiner, and 8-channel video balun
425204	GEC-16VDPC	16-channel video, data/power combiner
425205	GEC-16VDPBC	16-channel video balun and data/power combiner
425206	GEC-16VPDCHUB	16-channel power supply plus VDP combiner
425207	GEC-16PVPDTCHUB	16-channel power supply, VDP combiner, and 16-channel video balun

S700V and S702V Video Transmission System

IFS

The S700V Series video system is designed to transmit one or two channels of baseband composite video up to 3.2 miles (5.2 km). It provides superior performance and reliability at an economical price. The S700V is available in three versions: (1) compact stand-alone modules providing one video channel on one fiber, (2) rack-mounted cards providing one video channel on one fiber, and (3) rack-mounted cards that support two video channels on two fibers. The S700V Series meets the challenge for a low-cost, high-performance, fiber optic video-transmission system.

FEATURES

- One- or two-channel versions
- OAGC circuitry
- Works with all cameras
- Transmits up to 3.2 mi. (5.2 km)
- Stand-alone or rack modules
- Dual-channel rack modules

Anixter No.	Vendor No.	Description
240217	S700VT-EST	1 fiber, transmitter
240218	S700VT-TST	Miniature, single channel
240219	S700VR-EST	Receiver only
240627	S702VT-EST	2 fiber, transmitter
240628	S702VR-EST	2 fiber, receiver

Transition Networks

10/100/1000BASE-T Gigabit Ethernet Switches

TRANSITION NETWORKS

With Gigabit Ethernet rapidly gaining demand in the network, administrators are demanding higher-density 10/100/1000 Mbps switches. Transition's Gigabit Ethernet Workgroup switches deliver eight or 24 ports of Gigabit Ethernet. These reliable switches deliver exceptional performance. Whether you need 10BASE-TX, 100BASE-TX or 1000BASE-T, these switches are ready to run with any version of Ethernet over copper cabling.

UNMANAGED COPPER SWITCHES

Anixter No.	Vendor No.	Description
339003	MIL-S8TA-NA	8-port 10/100/1000BASE-T

UNMANAGED COPPER SWITCHES WITH SFP SLOTS

Anixter No.	Vendor No.	Description
335243	MIL-S24T2GPA-NA	24-port 10/100/1000BASE-T with two SFP ports

8-port Switch with Internal Power Supply

TRANSITION NETWORKS

The industry's smallest 8-port switch with an internal power supply, Transition's MIL-S800i auto-negotiates 10/100 Mbps connections for fast and simple switching in workgroup, small office and home environments.

Anixter No.	Vendor No.	Description
385371	MIL-S800I-V2-NA	8-port 10/100BASE-TX (RJ45), 100 m

Unmanaged Stand-alone Switches

TRANSITION NETWORKS

Transition Networks' 10/100 Mbps switches are auto-sensing and allow for the seamless integration of 100 Mbps connections while preserving network bandwidth. Each switch combines performance and functionality with a space-saving desktop design.

FEATURES

- Auto-negotiating for full or half duplex
- Flow control and back pressure
- Store and forward switching mode
- All ports Auto MDI/MDIX
- Ruggedized metal chassis
- Full wire-speed switching on all ports

Anixter No.	Vendor No.	Description
237959	MIL-S500-NA	5-port 10/100 Mbps UTP switch
373012	MIL-S4800-NA	48-port 10/100BASE-TX switch with two Gigabit ports
484249	S24TXA	24-port 10/100BASE-TX UTP switch

10/100/1000 Multilayer Managed Switches

TRANSITION NETWORKS

The MIL-SM4004TG is a managed, 4-port Gigabit Ethernet switch with auto-sensing 10/100/1000 ports plus four combo Small Form Pluggable (SFP) ports. The combo SFP ports enable fiber connectivity through four hot-swappable, small form factor-pluggable Gigabit interfaces. In addition, the 1U rack-mount form factor uses less rack space and provides a lower per-port cost than comparable Gigabit Ethernet switches. The MIL-SM24T4DPA is ideal for high-performance server aggregations such as enterprise data centers and high-speed work groups. This managed Layer 2 switch offers (24) 10/100/1000 ports and four dual-speed combo ports.

Anixter No.	Vendor No.	Description
374559	MIL-SM4004TG-NA	4-port 10/100/1000BASE-T switch with four 100/1000 SFP/RJ45 ports
484253	SM8T2DPA-NA	Eight 10/100/1000BASE-T ports and two 100/1000 SFP/RJ45 ports
423401	MIL-SM24T4DPA-NA	24 10/100/1000BASE-T ports and four 100/1000 SFP/RJ45 ports

Remotely Managed PoE Switches

TRANSITION NETWORKS

This switch series is fully compatible with devices that comply with the IEEE 802.3af Standard and is capable of inserting power on the data pairs of the MDI to provide

Continued on next page >>

Transition Networks

power to PD devices like network cameras and wireless access points. Management features include port-based, dynamic and static VLANs, GVRP, VLAN Tagging, IGMP Snooping, port mirroring, port security and virtual IP stacking.

Anixter No.	Vendor No.	Description
351798	MIL-SM8TXAF2GPA-NA	8-port 10/100 PoE remotely managed switch with two Gigabit combo ports
461763	SM8TAF2DPA-NA	8-port 10/100/1000 PoE remotely managed switch with two 100/1000BASE-X SFP ports
474195	MIL-SM24TAF4GPA	20-port 10/100/1000 PoE remotely managed PoE switch with four Gigabit SFP/RJ45 combo ports
386916	SISPM1040-182D-LRT	8-port 10/100/1000 industrial-rated PoE switch with two 10/100/1000 combo ports, -40ºC to +65ºC operating temp.
484188	SISPM1040-384-LRT	8-port 10/100/1000 industrial-rated PoE+ switch with four Gigabit Ethernet SFP ports

Industrial Managed Switches

TRANSITION NETWORKS

Eliminate EMI and RFI issues and overcome distance limitations with copper-based cabling by using an industrial media converter or switch. Transition Networks' industrial products are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments. Advanced features include AutoCross, Auto-negotiation, dry-contact relays and redundant DC power inputs.

Anixter No.	Vendor No.	Description
351903	SISTM1010-180-LRT	Eight 10/100BASE-TX RJ45 ports, -40°C to +75°C operating temp.
351904	SISTM1011-162-LRT	Six 10/100BASE-TX RJ45 ports to two 100BASE-FX ports, 1300 nm, MM, ST, 2 km, -40°C to +75°C operating temp.
351905	SISTM1013-162-LRT	Six 10/100BASE-TX RJ45 ports to two 100BASE-FX ports, 1300 nm, MM, SC, 2 km, -40°C to +75°C operating temp.
351906	SISTM1014-162-LRT	Six 10/100BASE-TX RJ45 ports to two 100BASE-FX ports, 1310 nm, SM, SC, 20 km, -40°C to +75°C operating temp.
419370	SISGM1040-244-LRT	Four 10/100/1000BASE-T RJ45 ports with four 100/1000 SFP combo ports, -10°C to +75°C operating temp.
406741	SISGM1040-262D-LR	Six 10/100/1000BASE-T RJ45 ports with two 100/1000 SFP combo ports, -10ºC to +50ºC operating temp.

10/100 Industrial Unmanaged Switches

TRANSITION NETWORKS

Eliminate EMI and RFI issues and overcome distance limitations with copper-based cabling by using an industrial media converter or switch. Transition Networks' industrial products are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments. Advanced features include AutoCross, Auto-negotiation, dry-contact relays and redundant DC power inputs. Operating temperature: -40°C to +75°C.

Anixter No.	Vendor No.	Description
423402	SISTF1010-250-LRT	5-port 10/100BASE-TX RJ45, -40°C to +75°C operating temp.
423404	SISTF1010-280-LRT	8-port 10/100BASE-TX RJ45, -40°C to +75°C operating temp.
373485	SISTF1040-162D-LRT	16-port 10/100BASE-TX RJ45 with two 10/100/1000 combo ports, -40°C to +75°C operating temp.
373905	SISTP1013-141-LRT	4-port 10/100 industrial-rated PoE switch with one 100BASE-MM, (SC), 2 km, -40°C to +75°C operating temp.
373906	SISTP1014-141-LRT	4-port 10/100 industrial-rated PoE switch with one 100BASE-SM, (SC), 20 km, -40°C to +75°C operating temp.
434454	SISTF1011-241-LRT	4-port 10/100BASE-TX RJ45 to one 100BASE-FX, 1300 nm, multimode ST, 2 km, -40°C to +75°C operating temp.
434455	SISTF1013-241-LRT	4-port 10/100BASE-TX RJ45 to one 100BASE-FX, 1300 nm, multimode SC, 2 km, -40°C to +75°C operating temp.
434457	SISTF1014-241-LRT	4-port 10/100BASE-TX RJ45 to one 100BASE-FX, 1300 nm, single-mode SC, SM, 2 km, -40°C to +75°C operating temp.

Transition Networks

MiLAN's EmPowered Ethernet

TRANSITION NETWORKS

Power over Ethernet Injection and Splitting Solutions, MiLAN's EmPowered Ethernet Series Power over Ethernet (PoE) solutions, deliver a unified supply of data, voice and video as well as electrical power through a single source by sending power over standard twisted-pair cables. Power over Ethernet simplifies installation and eliminates the need to run separate power cords and LAN cables to each access point or port location.

POE AND POE+ INJECTORS

Anixter No.	Vendor No.	Description
308055	MIL-L100I-NA	1-port Power over Ethernet injector
484186	MIL-L1000I	1-port 10/100/1000 Power over Ethernet Plus (PoE+) injector

Fast Ethernet Stand-alone Converters

TRANSITION NETWORKS

Extend the distance between two fast Ethernet devices up to 2 km on multimode fiber and up to 40 km on single-mode fiber; other long-haul options are available. These full-featured products include AutoCross, Auto-negotiation, Link Pass Through, Far End Fault and Pause. Converters supporting extended operating temperatures are also available. 10/100 bridging converters are ideal for connecting 10/100 devices to a 100 Mbps fiber backbone.

Anixter No.	Vendor No.	Description
213792	E-100BTX-FX-05-NA	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km
214108	E-100BTX-FX-05-SC-NA	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km
255573	E-100BTX-FX-05-MT-NA	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, MT-RJ, 2 km
312465	E-100BTX-FX-05-LC-NA	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, LC, 2 km
255575	E-100BTX-FX-05-SM-NA	100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km
284520	E-100BTX-FX-05-LH-NA	100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 40 km

Extended Temperature Fast Ethernet Converters

TRANSITION NETWORKS

Designed to operate in Fast Ethernet environments where ambient temperatures can rise as high as 65°C (149°F). Operating temperature: -25°C to +65°C.

Anixter No.	Vendor No.	Description
284527	E-100BTX-FX-05-HT-NA	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km
284530	E-100BTX-FX-05-SCHT-NA	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km
284532	E-100BTX-FX-05-SMHT-NA	100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km

Gigabit Ethernet Stand-alone Converters

TRANSITION NETWORKS

Migrate to Gigabit in a cost-effective manner. When Gigabit media converters are used in conjunction with lower-cost 1000BASE-T switches, users can take advantage of the high-bandwidth Gigabit Ethernet offers without all of the higher costs. Optional single-strand media converters allow you to double your fiber capacity by transmitting and receiving data over one strand of fiber.

Anixter No.	Vendor No.	Description
332341	SGETF1013-110-NA	1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m on 62.5/125, 550 m on 50/125
333559	SGETF1014-110-NA	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km

Transition Networks

Anixter No.	Vendor No.	Description
333562	SGETF1024-110-NA	1000BASE-T RJ45 to 1000BASE-SX, 1310 nm, extended, multimode, (62.5/125 fiber only) SC up to 2 km
333563	SGETF1029-110-NA	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm TX/1550 nm RX, single-fiber, single-mode, SC 20 km
333565	SGETF1029-111-NA	1000BASE-T RJ45 to 1000BASE-LX, 1550 nm TX/1310 nm RX, single-fiber, single-mode, SC 20 km

10/100/1000 Media Converters

TRANSITION NETWORKS

The 10/100/1000 media converters will offer a low-cost integration option for network managers who want to migrate from 10/100 networks to Gigabit Ethernet. Gigabit-only switches can now be connected to a 10/100 network at distances up to 125 km with long-haul options.

Anixter No.	Vendor No.	Description
268663	SGFEB1013-120-NA	10/100/1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m
373495	SGFEB1014-120-NA	10/100/1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
268667	SGFEB1024-120-NA	10/100/1000BASE-T RJ45 to 1000BASE-SX, 1310 nm, extended, multimode (62.5/125 fiber only), SC, up to 2 km

Power over Ethernet Media Converters

TRANSITION NETWORKS

Extend network distances and power PoE-enabled devices with a Power over Ethernet media converter from Transition Networks. These PoE converters will enable enterprises to power network devices directly over a UTP data connection. The Power over Ethernet (PoE) converter emulates IEEE 802.3af Power Sourcing Equipment (PSE) and it is compatible with Powered Devices (PD) that comply with the 802.3af Standard. The ideal solution for delivering power over copper cabling to wireless access points, IP telephones and PoE cameras.

POWER OVER FAST ETHERNET MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
285061	SFEPE1011-100	AC powered 100BASE-FX, 1300 nm, multimode, ST, 2 km to PoE 100BASE-TX RJ45
285062	SFEPE1013-100-NA	AC powered 100BASE-FX, 1300 nm, multimode, SC, 2 km to PoE 100BASE-TX RJ45
285063	SFEPE1014-100-NA	AC powered 100BASE-FX, single-mode, 1310 nm, SC, 20 km to PoE 100BASE-TX RJ45
285064	SFEPE1011-110	DC powered 100BASE-FX, multimode, 1300 nm, ST, 2 km to PoE 100BASE-TX RJ45
285065	SFEPE1013-110	DC powered 100BASE-FX, multimode, 1300 nm, SC, 2 km to PoE 100BASE-TX RJ45
285067	SFEPE1014-110	DC powered 100BASE-FX, single-mode, 1310 nm, SC, 20 km to PoE 100BASE-TX RJ45

10/100 BRIDGING POWER OVER ETHERNET MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
330092	SPOEB1011-100-NA	10/100BASE-TX to 100BASE-FX, multimode, 1300 nm, ST, 2 km
330093	SPOEB1013-100-NA	10/100BASE-TX to 100BASE-FX, multimode, 1300 nm, SC, 2 km
330094	SPOEB1014-100-NA	10/100BASE-TX to 100BASE-FX, single-mode, 1310 nm, SC, 20 km

10/100/1000 BRIDGING POWER OVER ETHERNET MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
379289	SGPOE1013-100-NA	10/100/1000BASE-T to 1000BASE-SX, multimode, 850 nm, SC
379290	SGPOE1014-100-NA	10/100/1000BASE-T to 1000BASE-LX, single-mode, 1310 nm, SC, 10 km
379288	SGPOE1040-100-NA	10/100/1000BASE-T to 100/1000BASE-X SFP slot (empty)
379291	SGPOE1040-110-NA	10/100/1000BASE-T to two 100/1000BASE-X SFP slots (empty)

Transition Networks

Analog Video CCTV Media Converters

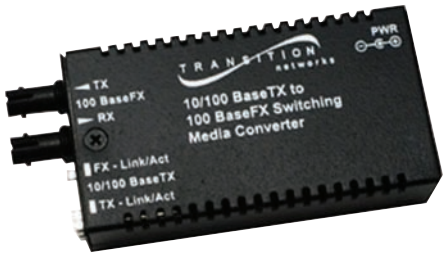
TRANSITION NETWORKS

Transition Networks' analog composite video media transmitters convert CCTV signals from cameras to multimode or single-mode fiber for up to 10 km. Transition Networks' analog video media receiver converts the optical signal back to an analog composite video signal. All conversion is performed in real time. Automatic gain control installed on both transmitter and receiver maintains desired quality of video's contrast and brightness for extended distances. No field adjustments are necessary. Wide-input-range power supply allows for multiple choices of power source including camera power supply.

Anixter No.	Vendor No.	Description
324798	J/VD-TX-01-NA	Video transmitter, coax BNC to 850 nm, multimode, ST, 1 km
324801	J/VD-TX-01-SC-NA	Video transmitter, coax BNC to 850 nm, multimode, SC, 1 km
324804	J/VD-TX-01-SM-NA	Video transmitter, coax BNC to 1310 nm, single-mode, ST, 10 km
324799	J/VD-RX-01-NA	Video receiver, coax BNC to 850 nm, multimode, ST, 10 km
324802	J/VD-RX-01-SC-NA	Video receiver, coax BNC to 850 nm, multimode, SC, 1 km
324805	J/VD-RX-01-SM-NA	Video receiver, coax BNC to 1310 nm, single-mode, ST, 10 km

Bridging Mini Stand-alone Media Converters

TRANSITION NETWORKS



The Mini Media Converters provide a cost-effective method for integrating fiber optic cabling into a 10/100 or 10/100/1000 UTP environment. With its miniature size, the Mini offers a space-saving alternative while it converts copper to fiber with the smallest footprint in the industry. Depending upon the unit, this plug-and-play media converter offers three methods for powering the unit. The Mini can be powered with the included power adapter, while other options include powering through a USB port or through an 802.3af Power over Ethernet-enabled RJ45 port. Two power options can be used simultaneously, providing the security of redundant power supplies. The Mini is available with either ST or SC fiber interfaces and is available for either multimode or single-mode fiber.

Anixter No.	Vendor No.	Description
326709	MP/E-PSW-FX-01-NA	10/100BASE-TX RJ45 to 100BASE-FX, multimode, 1300 nm, ST, 2 km
326710	M/E-PSW-FX-01-SC-NA	10/100BASE-TX RJ45 to 100BASE-FX, multimode, 1300 nm, SC, 2 km
326711	M/E-PSW-FX-01-SM-NA	10/100BASE-TX RJ45 to 100BASE-FX, single-mode, 1310 nm, SC, 20 km
379139	M/GE-PSW-SX-01-NA	10/100/1000BASE-T to 1000BASE-SX, multimode, 850 nm, SC, 220 m on 62.5/125, 550 m on 50/125
379175	M/GE-PSW-LX-01-NA	10/100/1000BASE-T to 1000BASE-LX, single-mode, 1310 nm, SC, 10k m

Point System Modular Media Converters

TRANSITION NETWORKS

The Point System is a cost-effective, fully configurable, managed modular media-conversion platform that provides users with the flexibility to build their own custom media-conversion system. The system includes a rack-mountable chassis and modular, hot-swappable, slide-in media-converter cards. Converters supporting various communications protocols can be used in the same chassis and provide managed media-conversion services to suit a custom network application. Chassis are available in either AC or DC power versions. Transition's SNMP management application, Focal Point 2.0, is included free of charge with each chassis and each management module. Combining media conversion with copper-based equipment can save up to 45 percent in cost. The Point System's modular design allows users to add converters as they need to add fiber to their network. Therefore, users can utilize their existing copper-based equipment and not buy fixed multiport fiber devices.

FEATURES

- Cost savings
- Flexibility
- Maximum control
- Reliability
- Potential for future growth

POINT SYSTEM CHASSIS AND ACCESSORIES

Anixter No.	Vendor No.	Description
249729	CPSMC1900-100	19-slot Point System chassis
249803	CPSMC1300-100	13-slot Point System chassis
269844	CPSMC0800-100-NA	8-slot Point System chassis
249804	CPSMC0200-200	Dual-slot Point System chassis
231557	CPSMC0100-200	Single-slot Point System chassis
251332	CPSMP-120-NA	Redundant 120/240 V AC for CPSMC1300-100

Transition Networks

Anixter No.	Vendor No.	Description
284293	CPSMP-180-NA	Redundant 120/240 V AC for CPSMC0800-100
249802	CPSMM-120	Single-slot primary management module
227237	CPSFP-200	Faceplate for use on all empty slots
249734	CPSLD-100	LED power status panel for the 19- or 8-slot Point System chassis

ETHERNET SLIDE-IN CONVERTER MODULES

Anixter No.	Vendor No.	Description
251344	CETTF1011-105	10BASE-T RJ45 to 10BASE-FL, 850 nm, multimode, ST, 2 km
231621	CETTF1012-105	10BASE-T RJ45 to 10BASE-FL, 1310 nm, single-mode, ST, 20 km
251345	CETTF1013-105	10BASE-T RJ45 to 10BASE-FL, 850 nm, multimode, SC, 2 km
284661	CETTF1022-105	10BASE-T RJ45 to 10BASE-FL, 1310 nm, single-mode, ST, 40 km
284663	CETTF1027-105	10BASE-T RJ45 to 10BASE-FL, 1300 nm, multimode, ST, 5 km

DUAL-STRAND FAST ETHERNET CONVERTER MODULES

Anixter No.	Vendor No.	Description
391000	CFETF1011-205	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km
277828	CFETF1013-205	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km
433922	CFETF1039-205	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, LC, 2 km
260653	CFETF1014-205	100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km

SINGLE-STRAND FAST ETHERNET CONVERTER MODULES

Anixter No.	Vendor No.	Description
269852	CFETF1029-205	100BASE-TX RJ45 to 100BASE-FX, 1310 nm TX/1550 nm RX, single-fiber, single-mode, SC, 20 km
269856	CFETF1029-206	100BASE-TX RJ45 to 100BASE-FX, 1550 nm TX/1310 nm RX, single-fiber, single-mode, SC, 20 km

GIGABIT ETHERNET SLIDE-IN CONVERTER MODULES

Anixter No.	Vendor No.	Description
332151	CGETF1013-110	1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode SC, 220 m
332152	CGETF1014-110	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
332153	CGETF1024-110	1000BASE-T RJ45 to 1000BASE-SX, 1300 nm extended, multimode (62.5/125 fiber only), SC (up to 2 km)

10/100/1000 MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
373778	CGFEB1013-120	10/100/1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m
268669	CGFEB1014-120	10/100/1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, multimode, SC, 10 km
373909	CGFEB1024-120	10/100/1000BASE-T RJ45 to 1000BASE-SX, 1300 nm, extended, multimode (62.5/125 fiber only), SC, up to 2 km

SINGLE-MODE TO MULTIMODE SLIDE-IN CONVERTER MODULES

Anixter No.	Vendor No.	Description
231628	CFMFF1314-200	Fast Ethernet or ATM/SONET, 1300 nm, multimode, SC, 2 km to 1310 nm, single-mode, SC, 20 km
231629	CFMFF1315-200	Fast Ethernet or ATM/SONET, 1300 nm, multimode, SC, 2 km to 1310 nm, single-mode, SC, 40 km
231633	CFMFF1314-220	Gigabit Ethernet 1000BASE-SX, 850 nm, multimode, SC, 220 m to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
231634	CFMFF1315-220	Gigabit Ethernet 1000BASE-SX, 850 nm, multimode, SC, 220 m to 1000BASE-LX, 1310 nm, single-mode, SC, 25 km

T1/E1 AND DS3-T3/E3 SLIDE-IN MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
423409	CSDTF1011-120	T1/E1 twisted-pair RJ45 to 850 nm, multimode, ST, 2 km, with remote management
423410	CSDTF1013-120	T1/E1 twisted-pair RJ45 to 850 nm, multimode, SC, 2 km, with remote management
422080	CSDTF1014-120	T1/E1 twisted-pair RJ45 to 1310 nm, single-mode, SC, 20 km, with remote management

(continued) Point System Modular Media Converters

4X T1/E1 PLUS 10/100 ETHERNET TRANSPORT MUX MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
313686	C4TEF1011-100	Four ports T1/E1 RJ48 and an RS-232 6-pin DIN to 1300 nm, multimode, ST, 2 km
313687	C4TEF1013-100	Four ports T1/E1 RJ48 and an RS-232 6-pin DIN to 1300 nm, multimode, SC, 2 km
313689	C4TEF1014-100	Four ports T1/E1 RJ48 and an RS-232 6-pin DIN to 1310 nm, single-mode, SC, 20 km
313690	C4TEF1011-110	Four ports T1/E1 RJ48, an RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1300 nm, multimode, ST, 2 km
313691	C4TEF1013-110	Four ports T1/E1 RJ48, an RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1300 nm, multimode, SC, 2 km
313694	C4TEF1014-110	Four ports T1/E1 RJ48, an RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1310 nm, single-mode, SC, 20 km

RS-232 AND RS-422/485 SLIDE-IN MODULE MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
284712	CRS2F3111-100	RS-232 with remote management DB-9 to 1300 nm, multimode, ST, 2 km
284730	CRS2F3114-100	RS-232 with remote management DB-9 to 1310 nm, single-mode, SC, 20 km
282279	CRS4F3111-100	RS-422/485 DB-9 to 1300 nm, multimode, ST, 2 km
282281	CRS4F3114-100	RS-422/485 DB-9 to 1310 nm, single-mode, SC, 20 km
282283	CRS4F3211-100	RS-422/485 terminal block to 1300 nm, multimode, ST, 2 km
282286	CRS4F3214-100	RS-422/485 terminal block to 1310 nm, single-mode, SC, 20 km

HIGH-SPEED SERIAL-TO-FIBER SLIDE-IN MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
330083	CPSVT2611-100	High-speed serial 26-pin to 1300 nm, multimode, ST, 2 km
257498	CPSVT2613-100	High-speed serial 26-pin to 1300 nm, multimode, SC, 2 km
330084	CPSVT2614-100	High-speed serial 26-pin to 1310 nm, single-mode, SC, 20 km

Small Form Factor Pluggables

TRANSITION NETWORKS

Transition Networks Small Form Factor Pluggable (SFP) transceivers are designed for bi-directional serial optical data communications such as Gigabit Ethernet or Fiber Channel at speeds up to 1.25 Gbps. This device is designed for use in switches, and routers compatible with Small Form Factor Pluggable Multi-Sourcing Agreement (MSA)

Anixter No.	Vendor No.	Description
313699	TN-SFP-SX	1000BASE-SX, 850 nm, LC, 220 m
313700	TN-SFP-LX1	1000BASE-LX, 1310 nm, LC, 10 km
313701	TN-SFP-LX3	1000BASE-LX, 1310 nm, LC, 30 km
313702	TN-SFP-LX5	1000BASE-LX, 1550 nm, LC, 50 km
313703	TN-SFP-LX8	1000BASE-LX, 1550 nm, LC, 80 km
330115	TN-SFP-LX12	1000BASE-LX, 1550 nm, LC, 120 km
330097	TN-SFP-FC2XM	Fiber channel 2.5 Gbps, 850 nm, multimode, LC
330116	TN-SFP-FC2XS15	Fiber channel 2.5 Gbps, 1310 nm, single-mode, LC, 15 km
330117	TN-SFP-FC2XS2	Fiber channel 2.5 Gbps, 1310 nm, single-mode, LC, 2 km
330118	TN-SFP-FC2XS40	Fiber channel 2.5 Gbps, 1310 nm, single-mode, LC, 40 km
330119	TN-SFP-OC12M	OC12 622 Mbps, 1310 nm, multimode, LC, 1 km
330120	TN-SFP-OC12S	OC12 622 Mbps, 1310 nm, single-mode, LC, 20 km
330121	TN-SFP-OC3M	OC3 125 Mbps, 1310 nm, multimode, LC, 2 km
330122	TN-SFP-OC3S	OC3 155 Mbps, 1310 nm, single-mode, LC, 20 km

Interlogix

B780G High-resolution Video Component Fiber Links

INTERLOGIX

The Fiber Options B780G high-resolution component video links are designed to support RGB signals for projector and plasma display screens and UXGA (1,600x1,200) computer systems with resolution up to 2k x 2k pixels. The RGB component signals are intensity modulated with a bandwidth of 125 MHz per component. The unit operates with either Sync-On-Green, H&V drives or composite sync. To satisfy the requirements of the video and computer world, the B780G/B7780G feature both BNC and the HD-15 computer-interface connectors. Loop-thru BNC connectors with selectable 75 ohm termination are provided on the transmitter. The low-profile 1RU chassis can be installed in a standard 19 in. equipment rack, table top, under-the-desk or ceiling-mounted with the removable mounting brackets.

FEATURES

- 125 MHz per component
- 1,600x1,200
- Horizontal frequency 15-130 kHz
- VGA, SVGA and UXGA
- RGB
- BNC and HD-15 computer interface
- Resolution up to 2k x 2k pixels
- H&V Sync or Sync-On-Green
- Exclusive Pix-Lock Sync System
- 1-fiber or 3-fiber operation
- Multimode or single-mode fiber
- Optical budget 10 dB

Anixter No.	Vendor No.	Description
273635	B780GT-RST3	Multimode transmitter
273638	B780GR-RST3	Multimode receiver

S706V/S7706 Digital Video Fiber System

INTERLOGIX

The S706V and S7706V fiber links accept analog baseband video, convert it to digital and transmit it as an 8-bit digital signal over optical fiber. Digital transmission of video with a signal-to-noise ratio of >60 dB assures noise-free video at the receiver.

The S706V and S7706V support all major video formats. Resolution of greater than 520 TV lines guarantees faithful reproduction of high-resolution closed-circuit video images. The S706V and S7706 meet or exceed the requirements of the EIA/TIA 250C Medium Haul Standard. The S706V and S7706V also feature Interlogix's unique SMARTS Technology.

FEATURES

- 8-bit digital video transmission
- 520 TV lines resolution
- Meets/exceeds EIA/TIA 250C Medium Haul Standard
- SMARTS built-in diagnostics
- Optical budget: 13 dB MM; 18 dB SM
- Operates up to 37 mi (60 km)
- Solid-state short-circuit protection
- 24 V AC/13.5 V DC transmitter power

Anixter No.	Vendor No.	Description
340331	S706VT-ESTL	Multimode 1-fiber link, transmitter
273612	S706VR-ESTL	Multimode 1-fiber link, receiver
342202	S7706VT-EST	Single-mode 1310 nm 1-fiber link, transmitter
273613	S7706VR-EST	Single-mode 1310 nm 1-fiber link, receiver

S708V/S7708V 8-channel Digital Video Multiplexer System

INTERLOGIX

The S708V/S7708V Digital Video Multiplexer system uses revolutionary CWDM technology to provide simultaneous long-range transmission of multiple full-frame, real-time video signals over one multimode fiber. The eight-channel system features a bandwidth of 6.2 MHz per channel and optical automatic gain control (OAGC). It accepts analog baseband input signals and converts them to digital format for transmission, assuring high-quality video outputs at the receiver. Interlogix's unique SMARTS Technology includes a built-in video test-pattern generator on the transmitter for system setup and onscreen diagnostics to indicate insufficient optical power or an inactive video channel for each output.

FEATURES

- Eight video channels on a single fiber
- Digital multiplexing technology
- 10-bit digital encoding
- 500 TV lines resolution
- Color or monochrome
- SMARTS diagnostics
- Optical automatic gain control
- Solid-state short-circuit protection

(continued) S708V/S7708V 8-channel Digital Video Multiplexer System

Anixter No.	Vendor No.	Description
252919	S708VT-EST	Multimode, 1-fiber link, 850/1300 nm, transmitter
273609	S708VR-EST	Multimode, 1-fiber link, 850/1300 nm, receiver
340333	S708VT-ESTL	Multimode, 1-fiber link, 1310/1330 nm, transmitter
273610	S708VR-ESTL	Multimode, 1-fiber link, 1310/1330 nm, receiver
342206	S7708VT-EST	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
273611	S7708VR-EST	Single-mode, 1-fiber link, 1310/1550 nm, receiver

S707V 4-channel Digital Video Multiplexer

INTERLOGIX

The S707V Video Multiplexer System represents a technological breakthrough in the simultaneous transmission of multiple full-frame, real-time video signals (color or monochrome) over one multimode or single-mode fiber. The 4-channel system features a 6.2 MHz per-channel bandwidth and optical automatic gain control (OAGC). It accepts analog baseband inputs and converts them to digital format for transmission, assuring high-quality video outputs at the receiver. The system is compatible with all major formats.

Interlogix's unique SMARTS Diagnostics includes a built-in video test-pattern generator on the transmitter for system setup and onscreen diagnostics to indicate insufficient optical power or an inactive video channel for each output.

FEATURES

- Four channels of one-way video
- Digital multiplexing technology
- SMARTS diagnostics
- 500 TV lines resolution
- Optical automatic gain control (OAGC)
- Supports all major video formats
- Solid-state circuit protection
- Hot-swappable rack cards

Anixter No.	Vendor No.	Description
258668	S707VT-ESTL	Transmitter
258669	S707VR-ESTL	Receiver

S710D Universal Data System

INTERLOGIX

The S710D is a member of Interlogix's revolutionary family of multiprotocol data links. This one link handles all major data formats in both directions, including SensorNet. It is not necessary to order or stock different models to support different data formats. They're all in one unit. Configure the S710D as needed for the job, and even better if the installation changes data formats, just reconfigure the S710D.

The use of state-of-the-art digital technology throughout the S710D makes it possible to build in more diagnostic functions than previously possible.

In addition, the integrity of the data paths can be tested with a built-in data transmission test-pattern generator. It is not necessary to connect to an external data device. The S710D also features the very valuable data-translation function that allows input of one data format and output of a different format.

FEATURES

- All-in-one data: RS-232, RS-422, RS-485 Manchester, Biphase, TTL
- User-configurable data format
- Unique data translation function
- Optical budget 13 dB
- Optical automatic gain control (OAGC)
- Enhanced built-in diagnostics
- MTBF > 100,000 hours

Anixter No.	Vendor No.	Description
231564	S710D-RST2	2-fiber link transmits using 850 nm

S712D Universal Data Repeater

INTERLOGIX

The S712D Universal Data Repeater is part of Interlogix's revolutionary family of multiprotocol data links. This model series adds four new data functions to the Interlogix line: (1) It acts as a repeater to extend the operation distance of an S711D or S712D system; (2) It provides drop-and-insert capability to a linear data system with up to 32 nodes; (3) It can be configured as a redundant point-to-point system; (4) It can be configured as a self-healing ring with up to 32 nodes.

Interlogix

Like the other members of the Universal Data family, this link handles all major data formats in both directions. It is not necessary to order or stock different models to support different data formats. The S712D also features the very valuable data translation function that allows input of one data format and output of a different format.

The S712D has extensive built-in diagnostics, including a self-test data generator that makes it possible to test a link without having to connect external data equipment.

FEATURES

- All-in-one data: RS-232, RS-422, RS-485, Manchester, Biphase, TTL
- Field-configurable data format
- Drop-and-insert repeater function
- Self-healing ring capability
- Redundant point-to-point capability
- Unique data translation function
- Standard optical budget 18 dB; higher budgets available

Anixter No.	Vendor No.	Description
231565	S712D-EST2	850 and 1300 nm

S734DV/S7734DV 4-channel Video and 2-way Universal Data Fiber Module

INTERLOGIX

The S734DV and S7734DV Video Multiplexers provides four channels of video transmission combined with two-way universal data. The S734DV and S7734DV convert four channels of analog baseband composite video to digital format for transmission over fiber. Digital transmission of the video assures clean, noise-free video at the receiver. Two-way data permits remote control of a PTZ response from the receiver/driver to the control center. The unique Multiprotocol Data design accepts all major data formats, including SensorNet. The S734DV also features the very valuable data-translation function that allows input of one data format and output of a different format. Four relay/contact closure channels in the forward direction permit transmission of switch closures. SMARTS diagnostic technology provides an extensive array of diagnostic LEDs and onscreen monitor displays.

FEATURES

- Four channels of one-way video
- 10-bit digital encoding
- 500 TV lines resolution
- Multiprotocol data: RS-232, RS-422, RS-485, Manchester, Biphase, TTL, SensorNet
- User-configurable data format
- Unique data translation function
- Relay/contact closures - four forward channels
- SMARTS diagnostics
- 24 V AC/13.5 V DC transmitter power

Anixter No.	Vendor No.	Description
342209	S734DVT-EST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
273582	S734DVR-EST1	Multimode, 1-fiber link, 850/1300 nm, receiver
342210	S7734DVT-EST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
273583	S7734DVR-EST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver

S739DV Video with Universal Up-the-Coax Control, Response and Genlock

INTERLOGIX

The S739DV Video and Control Data System represents a major advance in fiber optic links for Up-the-Coax control systems. In Up-the-Coax systems, video is transmitted from the camera back to the control center over coaxial cable, and control signals to operate the pan/tilt/zoom (PTZ) functions are transmitted from the control station out to the receiver/driver at the camera station. In addition to video and control, the S739DV provides for the transmission of response signals from the camera station to the control station. The S739DV also provides for transmission of embedded genlock sync if genlocking is a feature of the particular control system used. The S739DV works with all major brands of Up-the-Coax systems. The S739DV also features more extensive LED diagnostics than ever before, with input/output indicators for video, command, response, genlock sync and optical signal strength.

FEATURES

- Transmits video, control, response, and embedded genlock signals
- 1- or 2-fiber links available
- Compatible with all major Up-the-Coax control systems, including: American Dynamics, Baxall, Burle, Elbex, Panasonic, Pelco, Robot, Sensormatic, VCS format, Vicon, Videolarm and others
- Diagnostic LEDs for video, command, response, sync, and optical signals on both Tx and Rx
- Operating distances up to 11 miles/18 km (control system specific)
- Built-in optical automatic gain control (OAGC)
- Modern, heavy-duty housing design

Anixter No.	Vendor No.	Description
231572	S739DVT-EST1	Transmitter
231574	S739DVR-EST1	Receiver

B705V Composite Video Broadcast-quality Fiber Transmission System

INTERLOGIX

The B705V high-performance broadcast-grade fiber transmission link supports composite video (NTSC or PAL). The all-digital processing platform features 10-bit video processing. This advanced design enables the B705V to exceed RS-250 short-haul video performance as specified in the EIA 250C standard. The B705V is designed to operate over 50/125 μm or 62.5/125 μm multimode fiber. The B705V also features a variety of built-in diagnostic functions, including LED displays for input video, output video and received optical signal strength. In addition, the receiver monitors the received optical signal with its patented Level/Loss indicator. The B705V Series consists of a transmitter (B705VT) and receiver (B705VR). The series is available in both stand-alone units and rack cards for use in the 515R1/517R1 rack-mount card cages. For applications specifying single-mode fiber, refer to the B7705V series.

FEATURES

- 10-bit A/D video processing
- Exceeds EIA-250C short-haul video standard
- Video bandwidth - 7.5 MHz
- Video signal-to-noise ratio > 67 dB
- Operates up to 2.5 miles (4 km)
- Hot-swappable rack cards
- Multimode (50 or 62.5 μm)
- Built-in diagnostics

Anixter No.	Vendor No.	Description
240623	B705VT-ESTL	Transmitter
240624	B705VR-ESTL	Receiver

B7705V Composite Video Broadcast-quality Fiber Transmission System

INTERLOGIX

The B7705V high-performance broadcast-grade fiber transmission link supports composite video (NTSC or PAL). The all-digital processing platform features 10-bit video processing. This advanced design enables the B7705V to exceed RS-250 short-haul video performance as specified in the EIA 250C standard. The B7705V is designed to operate over 8.3/125 μm single-mode fiber. The B7705V also features a variety of built-in diagnostic functions, including LED displays for input video, output video and received optical signal strength. In addition, the receiver monitors the received optical signal with its patented Level/Loss indicator. The B7705V Series consists of a transmitter (B7705VT) and receiver (B7705VR). The series is available in both stand-alone units and rack cards for use in the 515R1/517R1 rack-mount card cages. For applications specifying multimode fiber, refer to the B705V series.

FEATURES

- 10-bit A/D video processing
- Exceeds EIA-250C short-haul video standard
- Video bandwidth - 7.5 MHz
- Video signal-to-noise ratio > 67 dB
- Operates up to 30 km (18.75 miles)
- Hot-swappable rack cards
- Single-mode fiber
- Built-in diagnostics

Anixter No.	Vendor No.	Description
240621	B7705VT-EST	Transmitter
240622	B7705VR-EST	Receiver

B703V S-Video Pro A/V Fiber Transmission Link

INTERLOGIX

The B703V high-performance fiber transmission system supports the luminance and chrominance signals used in pro A/V S-Video systems. The FM modulated signal paths maintain the timing relationships required to operate S-Video-based equipment over distances beyond the capability of coax cable. The standard B703V model operates at a wavelength of 850 nms, providing operation up to 3 km. The long-distance version operates at 1300 nms and offers a fiber solution up to 10 km. The B703V utilizes the S-Video DIN connector for easy interconnection. The transmitter is available as a compact 4 x 4 unit or as a circuit card designed to plug into the 19 in. rack-mount card cage assembly. Status indicators for the Y and C signal are provided on the transmitter and receiver to monitor signal level. In addition, the received optical signal is continuously displayed using the Level/Loss indicator on the receiver card.

FEATURES

- Y/C component video
- 8 MHz
- FM modulation
- S-Video DIN input/output connectors
- Optical automatic gain control (OAGC)
- Multimode fiber
- Standard optical budget 13 dB at 850 nm
- Optional optical budget 13 dB at 1300 nm
- Diagnostic indicators

Anixter No.	Vendor No.	Description
240619	B703VT-EST	Transmitter
240620	B703VR-EST	Receiver

B720A/B7720A Single-channel Audio Fiber Modules

INTERLOGIX

The B720A/B7720A high-performance fiber transmission system supports one channel of high-quality audio (HQA). The all-digital processing platform features 24-bit audio processing and a 33 kHz audio-sampling rate.

The optical transmission system can operate at 850 or 1300 nm over multimode fiber, or at 1310 or 1550 nm over single-mode fiber.

Interlogix

FEATURES

- Single-channel audio over one fiber
- 24-bit A/D audio processing
- Signal-to-noise ratio 70 dB
- Balanced or unbalanced audio
- 33 kHz audio sampling rate
- Standard 13 dB optical budget
- Diagnostics indicators: Level/Loss, audio input and audio output

Anixter No.	Vendor No.	Description
273639	B7720AT-EFC	Single-mode transmitter

S711D/S7711D Fiber Data Link

INTERLOGIX

The S711D multimode link and S7711D single-mode link handle all major data formats in both directions, including SensorNet. It is not necessary to order or stock different models to support different data formats. If an installation changes data formats, simply reconfigure the S711D or S7711D. The use of state-of-the-art digital technology throughout the S711D and S7711D includes Interlogix's unique SMARTS technology, providing more diagnostic functions than previously possible. In addition, the integrity of the data paths can be tested with a built-in data transmission test-pattern generator. It is not necessary to hook up a data source to test the link. The S711D and S7711D also feature the very valuable data-translation function that allows input of one data format and output of a different format.

FEATURES

- Multiprotocol data: RS-232, RS-422, RS-485
- Manchester, Biphase, TTL, SensorNet
- User-configurable data format
- Unique data translation function
- SMARTS diagnostics
- Optical budget 18 dB
- Hot-swappable
- Solid-state circuit protection
- Forever Warranty

Anixter No.	Vendor No.	Description
342211	S711DT-EST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
273603	S711DR-EST1	Multimode, 1-fiber link, 850/1300 nm, receiver
342212	S7711DT-EST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
273606	S7711DR-EST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver

S731DV/S7731DV Fiber Video and Data Link

INTERLOGIX

The S731DV/S7731DV Fiber Video and Data Link provides digital transmission of video and return multiprotocol data. The link converts analog baseband composite video to 8-bit digital format for transmission over fiber. The S731DV and S7731DV support all major video formats. Return data permits remote control of a PTZ at the camera station. The unique multiprotocol data design accepts all major data formats. This allows the S731DV/S7731DV to be retained if there is a change of video-control systems. The unit also features the very valuable data-translation function that allows input of one data format and output of a different format. Relay/contact closure is supported from the camera station to the control station. SMARTS diagnostic technology provides extensive built-in system diagnostic tools, including diagnostic LEDs and onscreen monitors.

FEATURES

- 8-bit digital video transmission
- 520 TV lines resolution
- Multiprotocol data: RS-232, RS-422, RS-485, Manchester, Biphase, TTL and DTMF/FSK control signals
- SMARTS diagnostics
- 24 V AC/13.5 V DC transmitter power
- Unique data translation function
- User-configurable data format
- Relay/contact closure

Anixter No.	Vendor No.	Description
273590	S731DVT-EST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
342213	S731DVR-EST1	Multimode, 1-fiber link, 850/1300 nm, receiver
273592	S731DVT-EST2	Multimode, 2-fiber link, 850 nm, transmitter
342215	S731DVR-EST2	Multimode, 2-fiber link, 850 nm, receiver
273594	S7731DVT-EST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
342214	S7731DVR-EST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver
273595	S7731DVT-EST2	Single-mode, 2-fiber link, 1310 nm, transmitter
342217	S7731DVR-EST2	Single-mode, 2-fiber link, 1310 nm, receiver

S732DV/S7732DV Video and Multiprotocol Data Fiber Link

INTERLOGIX

The S732DV/S7732DV fiber link converts analog video to digital video and supports two-way transmission of all major data formats. It is not necessary to order or stock different models to support different data formats. Digital transmission of the video component along with a signal-to-noise ratio of > 55 dB assures clean, noise-free video at the receiver. Moreover, this link supports all major video formats. The data functions include the unique data-translation feature, which allows one data format to be input and a different data format to be output. Interlogix's unique SMARTS diagnostic technology provides an extensive set of built-in diagnostic tools including a video test-pattern generator that allows failures to be diagnosed from the monitor.

FEATURES

- 8-bit digital video transmission
- 520 TV lines resolution
- SMARTS diagnostics
- Multiprotocol data: RS-232, RS-422, RS-485, Manchester, Biphase, TTL, SensorNet and DTMF/FSK control signals
- Unique data translation function
- User-configurable data format

Anixter No.	Vendor No.	Description
273585	S732DVT-EST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
342219	S732DVR-EST1	Multimode, 1-fiber link, 850/1300 nm, receiver
273586	S732DVT-EST2	Multimode, 2-fiber link, 850 nm, transmitter
342220	S732DVR-EST2	Multimode, 2-fiber link, 850 nm, receiver
342224	S7732DVT-EST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
342225	S7732DVR-EST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver
273588	S7732DVT-EST2	Single-mode, 2-fiber link, 1310 nm, transmitter
342222	S7732DVR-EST2	Single-mode, 2-fiber link, 1310 nm, receiver

B740AV Video and Audio Transceivers

INTERLOGIX

The 241B system supports simultaneous transmission of broadcast-quality video and audio signals over a single optical fiber providing superior performance and reliability for the most demanding applications. These systems include a video-presence indicator and audio-level indicator on the transmitter, and a Level/Loss indicator on the receiver. These LEDs greatly ease installation of the modules by providing a quick visual indication of system operation.

FEATURES

- One-way video and audio over a single fiber
- Video bandwidth 10 Hz to 8 MHz
- Audio bandwidth 20 Hz to 20 kHz
- For multimode fiber
- Multistandard - NTSC, PAL or SECAM
- Balanced or unbalanced 600 ohm audio
- Optical AGC circuitry
- Diagnostic indicators: Level/Loss and video
- Differential gain < 1% and phase < 1%
- SNR 56 dB
- THD < 1%
- ST optical ports
- Rack cards or stand-alone units

Anixter No.	Vendor No.	Description
220512	241B-T	Video and audio transmitter
220513	241B-R	Video and audio receiver

B746AV Two-way Video and Audio

INTERLOGIX

The units in this series transmit composite video and audio signals bi-directionally over a single fiber. The 131B is ideally suited for interactive video and teleconferencing systems such as those used in remote arraignment proceedings. A complete system consists of a transmitter and a receiver.

The system has five status indicators: Level/Loss, video in, video out, audio in and audio out, which greatly ease installation by providing a quick visual indication of system operation.

FEATURES

- Two-way transmission, one fiber
- Video bandwidth 10 Hz to 8 MHz
- Audio bandwidth 20 Hz to 20 kHz
- Multimode fiber
- Multistandard: NTSC, PAL or SECAM
- Balanced or unbalanced 600-ohm audio
- Optical AGC circuitry
- Diagnostic indicators: Level/Loss, video and audio
- Differential gain 1.5%; phase 1.5%
- THD < 1%
- SNR 55 dB for video, 56 dB for audio
- ST optical ports
- Rack cards or stand-alone units

Anixter No.	Vendor No.	Description
220504	131B-T	Two-way video and audio transmitter
220505	131B-R	Two-way video and audio receiver

S768DAV Two-way Video, Audio and Data

INTERLOGIX

The links that compose this group offer the user the most versatile choice of combinations. In each instance these systems support two-way transmission of high-quality video, audio and data. RS-232, RS-422, TTL or contact closure/relay control data may be specified as all of these formats are supported. The option of two-fiber transmission provides broadcast-grade video in both directions. The 245B series is an ideal choice for both teleconferencing and camera systems requiring two-way audio and data in addition to video.

FEATURES

- Two-way transmission over one fiber
- Video bandwidth 10 Hz to 8 MHz
- Audio bandwidth 20 Hz to 20 kHz
- Supports RS-232, RS-422, TTL or relay/contact closure data formats
- Differential gain 1.5% and phase 1.5%

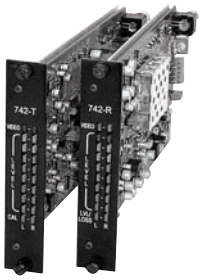
Interlogix

- Data rate: 19.2 kbps
- THD < 1%; audio SNR 56 dB; video SNR 55 dB
- Balanced or unbalanced 600 ohm audio
- Optical AGC circuitry
- Diagnostic indicators: Level/Loss, audio, data and video
- Rack cards or stand-alone units

Anixter No.	Vendor No.	Description
220508	245B-T	Two-way video, audio and data transmitter
220509	245B-R	Two-way video, audio and data receiver

B742AV Video and 2-channel Audio

INTERLOGIX



The B742AV high-performance broadcast-grade fiber transmission system supports composite video and two channels of line-level audio. The all-digital processing platform features 10-bit video processing coupled with 24-bit dual channel audio processing. This advanced design enables the B742AV to exceed RS250C short-haul video performance as specified in the EIA-250C standard.

Dual 10-segment LED displays provide for complete monitoring of transmitter and receiver operation. Signals monitored include input video, output video, audio input and audio output levels and the received optical signal. For added flexibility dual range audio levels for the two audio channels can be configured for (-10 dB to +8 dB) or (0 dB to +18 dB) operation. Balanced 600 ohm, hi-Z or unbalanced operation for input audio. The audio output stage will drive balanced 600 ohm audio, balanced hi-Z, and unbalanced hi-Z audio loads. The optical transmission system operates at 1300 nm over 62.5 μm multimode fiber. At 1300 nm, transmission distances up to 6 km (3.7 miles) are possible. The front-panel LED display when switched to the test mode on the receiver has the capability to display the received optical level. This built-in test feature aids in the installation process as it easily measures the actual optical loss in the fiber run from the transmitter.

FEATURES

- 10-bit A/D video processing
- Exceeds EIA-250C short-haul video standard
- Video bandwidth - 7.5 MHz
- Video signal-to-noise ratio > 67 dB
- 24-bit A/D audio processing
- Audio frequency response - 20 - 20 kHz
- Audio SNR > 90 dB, THD < 0.003%
- Balanced or unbalanced audio
- Built-in audio 1.5 kHz test generator
- Multimode fiber
- Optical budget 13 dB at 1300 nm

Anixter No.	Vendor No.	Description
319231	B742AVR-RSTL	Receiver
319221	B742AVT-RSTL	Transmitter

S764DAV/S7764DAV One-way Video, Two-way Digital Audio, 2-channel Data, 2-channel Contact Closure Fiber Module

INTERLOGIX

The S764DAV/S7764DAV fiber link provides one-way digital video transmission combined with two-way 2-channel digital audio, 2-channel multiprotocol data and 2-channel contact closures. Digital processing of the video signal along with a video signal-to-noise ratio of > 60 dB assures clean, noise-free video at the receiver. Digital processing of the audio signal along with an audio signal-to-noise ratio of > 90 dB allows the audio output to drive balanced or unbalanced loads and maintain constant audio levels. The data functions include the unique data-translation feature, which allows one data format to be input and a different data format to be output. Interlogix's unique SMARTS diagnostic technology provides an extensive set of built-in diagnostic tools including a video test-pattern generator that allows failures to be diagnosed from the monitor, and LED displays for monitoring video, data, audio, contact and optical signal.

FEATURES

- One-way video and two-way audio/data transmission over one or two fibers
- 9-bit A/D video processing, 24-bit A/D audio processing
- Multiprotocol data: RS-232, RS-422, RS-485, Manchester, Biphase, TTL and SensorNet
- Unique data translation function
- Local or remote user-configurable data format

Anixter No.	Vendor No.	Description
273573	S764DAVT-RST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
342226	S764DAVR-RST1	Multimode, 1-fiber link, 850/1300 nm, receiver
273574	S764DAVT-RST2L	Multimode, 2-fiber link, 1310 nm, transmitter
342227	S764DAVR-RST2L	Multimode, 2-fiber link, 1310 nm, receiver
273575	S7764DAVT-RST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
342228	S7764DAVR-RST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver
273576	S7764DAVT-RST2	Single-mode, 2-fiber link, 1310 nm, transmitter
342229	S7764DAVR-RST2	Single-mode, 2-fiber link, 1310 nm, receiver

S751DA/S7751DA Two-way Audio, Multiprotocol Data and Contact Closure Fiber Module

INTERLOGIX

The S751DA/S7751DA fiber link provides two-way transmission of high-quality audio (HQA), multiprotocol data (MPD) and contact closure. Digital processing of the audio signal along with an audio signal-to-noise ratio of > 90 dB allows the audio output to drive balanced or unbalanced loads and maintain constant audio levels. The data functions include the unique data-translation feature, which allows one data format to be input and a different data format to be output. The Interlogix SMARTS diagnostic technology provides an extensive set of built-in diagnostic LEDs for monitoring audio, optical signal and data.

FEATURES

- Two-way transmission over one or two fibers
- 24-bit A/D audio processing
- Multiprotocol data: RS-232, RS-422, RS-485, Manchester, Biphase, TTL and SensorNet
- Unique data translation function
- Local or remote user-configurable data format
- Relay/contact closure - one duplex channel closure
- SMARTS diagnostics

Anixter No.	Vendor No.	Description
273578	S751DAT-RST1	Multimode, 1-fiber link, 850/1310 nm, transmitter
342340	S751DAR-RST1	Multimode, 1-fiber link, 850/1310 nm, receiver
273579	S751DAT-RST2L	Multimode, 2-fiber link, 1310 nm, transmitter
342341	S751DAR-RST2L	Multimode, 2-fiber link, 1310 nm, receiver
273580	S7751DAT-RST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
342343	S7751DAR-RST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver

Fiber Optic Accessories

INTERLOGIX

Interlogix offers a full line of card cage racks and enclosures to support its fiber optic transmission systems. The compact 515R1 and 517R1 card cage racks provide high-density racking for link modules. They mount in standard 19 in. (483 mm) instrument racks. The 515R1 includes an internal power supply and accommodates 15 1 in. cards or the equivalent of 1, 2 and 3 in. cards. The 517R1 uses an external power supply and accommodates 17 1 in. cards or the equivalent. The 503H offers very compact 19 in. EIA rack mounting for three 1 in. rack cards. The 501R, 502R and 503R stand-alone enclosures permit local stand-alone mounting of models that are normally available as rack cards.

FEATURES

- Card cage racks for EIA consoles
- Stand-alone enclosures for rack cards
- 515R1 and 517R1 racks accommodate redundant power supplies
- 515PS1 and 517EPS1 have fiber fail and output level alarms
- Stand-alone enclosures permit local installation of rack card models
- 501R, 502R, 503R enclosures accommodate 1, 2 and 3 in. rack cards

Anixter No.	Vendor No.	Description
273624	503H	Rack, horizontal, 1 RU
252922	515R1	Rack, vertical, 2 RU
273627	517R1	Rack, vertical, 3 RU
319304	517EPS1	Rack, horizontal, 1 RU
273628	501R	Enclosure, one slot
273630	502R	Enclosure, two slots

Interlogix

S714D/S7714D Fiber Fast Ethernet System

INTERLOGIX

The S714D provides fiber optic transmission of 100BASE-T Fast Ethernet data or 10BASE-T Ethernet data over distances up to 28 mi. (45 km). The S714D combines the benefits of Interlogix's advanced engineering with the highest-quality standards in the industry. The S714D makes it possible to add the security and efficiency of transmission over fiber to local area networks (LANs) and other Ethernet applications. Interlogix's unique SMARTS (Status Monitoring And Reliability Test System) technology provides constant monitoring of the link and the equipment connected to it. The status of the link and the system can be determined at a glance without the use of expensive test equipment. Stand-alone modules are housed in a rugged steel enclosure with a convenient, secure wall-mounting system.

FEATURES

- Supports 100BASE-T Fast Ethernet and 10BASE-T Ethernet protocols
- Multimode or single-mode
- Automatic polarity correction
- Switch-selectable crossover
- Optical budget 13 dB
- Optical automatic gain control (OAGC)
- SMARTS diagnostics

Anixter No.	Vendor No.	Description
273597	S714DT-EST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
342350	S714DR-EST1	Multimode, 1-fiber link, 850/1300 nm, receiver
273598	S714D-EST2	Multimode, 2-fiber link, 850 nm, transceiver
273599	S714D-EST2L	Multimode, 2-fiber link, 1300 nm, transceiver
273600	S7714DT-EST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
342354	S7714DR-EST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver
273601	S7714D-EST2	Single-mode, 2-fiber link, 1310 nm, transceiver

Power Supplies for Fiber Modules

INTERLOGIX

The 600P series power supplies are designed to supply low-voltage power for Interlogix's stand-alone modules. Models are available with either AC or DC outputs. The 610P plugs directly into a wall outlet, while the other models all have input power cables with attached plugs. The 613P and 614P have detachable power cables and may be used with input voltages from 100 V AC to 240 V AC.

FEATURES

- Low-voltage outputs
- Models with AC or DC output
- Models for North American and international applications
- All have appropriate safety ratings

Anixter No.	Vendor No.	Description
252923	613P	DC 110-240 in, 13.5 V DC @ 1.7 amp out
273642	614P	DC 110-240 in, 13.5 V DC @ 2.3 amp out

ComPak Fiber Optic and Ethernet Transmission Products

COMNET

The ComNet ComPak Convenience packs are a convenient pairing of a transmitter and receiver plus power supplies in one package with a single model number. ComNet identified the most in-demand products and is offering them in a cost-saving package available through distribution. ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contract.

FEATURES

- ComPak11M Video Transmitter and Receiver
- ComPak1031M1 Video with Bi-Directional Data Transmitter and Receiver
- ComPak41M1 4-Channel Video Transmitter and Receiver
- ComPak412M1 4-Channel Video with Two Bi-Directional Data Channels Transmitter and Receiver
- ComPak81M1 8-Channel Video Transmitter and Receiver
- ComPak812M1 8-Channel Video with Two Bi-Directional Data Channels Transmitter and Receiver
- ComPak1002MAC1M 10/100 Mbps Ethernet 2 Port Media Converter
- ComPak-EOC Ethernet over Twisted Pair or Coaxial Cable Using VDSL2 (EoVDSL)

Anixter No.	Vendor No.	Description
393988	COMPAK11M	Mini video transmitter/AGC mini video receiver
420739	COMPAK1031M1	Video with bi-directional data transmitter and receiver
420741	COMPAK41M1	4-channel video transmitter and receiver
420744	COMPAK412M1	4-channel video with two bi-directional data channels, transmitter and receiver
420747	COMPAK81M1	4-channel video with two bi-directional data channels transmitter and receiver
420750	COMPAK812M1	4-channel video with two bi-directional data channels transmitter and receiver
420751	COMPAK1002MAC1M	10/100 Mbps Ethernet 2-port media converter
420753	COMPAK-EOC	Ethernet over twisted-pair or coaxial cable using VDSL2 (EoVDSL)

ComNet 10- to 24-Port Ethernet Switches with Power over Ethernet (PoE)

COMNET

The ComNet CNGE2FE8MSPOE Managed Ethernet Switch provides transmission of (eight) 10/100 BASE-TX and (two) 10/100/1000TX or 100/1000FX combo ports. The ComNet CNGE2FE24MSPOE Managed Ethernet Switch provides transmission of (24) 10/100 BASE- TX and (2) 10/100/1000TX or 1000FX combo ports. The electrical ports support the 10/100 Mbps Ethernet IEEE 802.3 protocol and the PoE ports support IEEE 802.3af based PoE. The switches include auto-negotiating and auto-MDI/MDIX features that ensure simplicity and ease of installation. The PoE ports support IEEE 802.3af based PoE. These environmentally hardened switches are designed for direct deployment in difficult, unconditioned out-of-plant and roadside installations, and are available for use with either conventional Cat 5e copper or optical transmission media. Two ports on each switch are 10/100/1000 configurable for copper or fiber media for use with multimode or single-mode optical fiber by using sold-separately small-form-factor pluggable modules (SFP). ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contract.

FEATURES

- Support IEEE 802.3af-based POE
- Environmentally hardened for direct deployment in difficult unconditioned out-of-plant and roadside installations
- Meets NEMA TS-1/TS-2 and Caltrans Specifications
- Extended ambient operating temperature range: -40°C to +75°C
- 10/100 BASE-TX and 1000 BASE-FX compatible
- Flexible optics configuration via SFP plug-in modules
- Fully configurable through Web-based or SNMP network management
- IGMP Snooping V1/V2 for multicast filtering and IGMP Query V1/V2
- Port-based VLAN (IEEE 802.1Q)
- Rapid Spanning Tree protocol (IEEE 802.1W)
- Port-based security
- Lifetime warranty

Anixter No.	Vendor No.	Description
420754	CNGE2FE8MSPOE	10-port managed Ethernet switch with PoE
420756	CNGE2FE24MSPOE	26-port managed Ethernet switch with PoE

Continued on next page >>

ComNet

ComNet ValueLine RS-232/422 Point-to-Point Data Transceiver

COMNET

The ComNet ValueLine FDX50M2 and FDX51M2 data transceivers are interchangeable by application and provide point-to-point transmission of simplex or duplex EIA RS-232/RS422 data signals over two multimode optical fibers. The transceivers are transparent to data encoding, allowing for broad-range compatibility. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. Each transceiver incorporates a bi-color (red/green) indicating LED for monitoring proper system operation. The FDX50 has a small footprint and is designed to be used where space is a consideration. The FDX51 can be rack- or surface-mounted. ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contract.

FEATURES

- Meets RS-232/422 specifications
- Distances up to 6 km (3.7 miles)
- Transparent to data encoding/compatible with major data protocols
- Point-to-point topology
- Meets NEMA TS-1/TS-2 and Caltrans Specifications
- Data rates up to 115 Kbps (NRZ)
- Voltage-transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage-transient events.
- Bi-color (red/green) transmit and receive LEDs
- NTCIP compatible
- Automatic resettable solid-state current limiters
- FDX50 is a compact-size module for surface mounting
- FDX51 is interchangeable between stand-alone or rack-mount use ComFit
- Lifetime warranty

Anixter No.	Vendor No.	Description
420762	FDX50M2	ValueLine RS-232/422 point-to-point data transceiver (small size)
420764	FDX51M2	ValueLine RS-232/422 point-to-point data transceiver - stand-alone or rack-mount

ComNet ValueLine 4- and 8-channel Digitally Encoded Video Multiplexers With and Without Data

COMNET

The ComNet ValueLine video multiplexer units simultaneously transmit and receive four channels (FVT41M1/FVR41M1) or eight channels (FVT81M1/FVR81M1) of video over one optical fiber utilizing digital encoding for quality video transmission. This line consists of models with and without two channels of RS-232, RS-422 and RS-485 data (FVT412M1/FVR412M1, FVT812M1/FVR812M1). These hardened units are ideal for use in unconditioned installations. These units are completely transparent to and universally compatible with any NTSC, PAL, or SECAM CCTV camera systems. ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contract.

FEATURES

- Digitally encoded video transmission, transmits four or eight real-time color video signals on one optical fiber
- Two channels of RS-232, -422 and RS-485 data additional data channels available
- Compatible with all NTSC, PAL or SECAM CCTV camera systems
- Interchangeable between rack and stand-alone mounting
- NTCIP compatible
- Environmentally hardened
- Voltage-transient protection on all power and signal input/output lines
- Bi-color (red/green) LED status indicators
- Automatic resettable solid-state current limiters
- Lifetime warranty

Anixter No.	Vendor No.	Description
394007	FVT41M1	4-channel video transmitter
394008	FVR41M1	4-channel video receiver
420765	FVT412M1	4-channel video transmitter with two bi-directional data channels
420766	FVR412M1	4-channel video receiver with two bi-directional data channels
420767	FVT81M1	8-channel video transmitter
420769	FVR81M1	8-channel video receiver
420770	FVT812M1	8-channel video transmitter with two bi-directional data channels
420771	FVR812M1	8-channel video receiver with two bi-directional data channels

10/100 Mbps Ethernet 2-port Media Converter Electrical to SC/ST Optical with Power over Ethernet

COMNET

The ComNet CWFE1003POE-M and CWFE1005POE-M 2-port media converters provide full-duplex fiber optic transmission of a single channel of 10/100 Mbps Ethernet data (10/100 BASE-TX) through multimode or single-mode optical fiber. Type SC or ST optical connectors are available. These converters exceed the requirements of the latest PoE standard (IEEE 802.3at). They provide full compliance as Power Sourcing Equipment (PSE), with a maximum power availability of 30 watts in Mode A or Mode B, making them ideal for those applications where the remote equipment draws significant power. A higher output 60-watt model is available. The Ethernet electrical interface auto-negotiates to either 10 or 100 Mbps without the need for any user selection, and the optical interface operates at 100 Mbps (100FX). Packaged in a rugged, compact-size housing. LED indicators confirm operating status. A power supply providing 48 V DC at 1.5 A is provided with each converter. ComNet products are made in the USA, and are available to purchase under GSA contract.

FEATURES

- Exceeds the latest PoE standard (IEEE 802.3at) for Power Sourcing Equipment (PSE): Provides 30 watts in two modes at 48 V DC, for high-output-demand applications of remote Ethernet equipment
- 60-watt higher output version available (CWFE100XPOEH0 Series)
- SC or ST optical connectors available
- Five-year warranty

Anixter No.	Vendor No.	Description
448466	CWFE1003POEM-M	2-port 10/100 Mbps ethernet media converter with PoE-SC-MM
448467	CWFE1003POES-M	2-port 10/100 Mbps ethernet media converter with PoE-SC-SM
448468	CWFE1005POEM-M	2-port 10/100 Mbps ethernet media converter with PoE-ST-MM
448469	CWFE1005POES-M	2-port 10/100 Mbps ethernet media converter with PoE-ST-SM

Power and Ethernet over Coaxial Cable

COMNET

The ComNet CWFE1P0C0AX Series transports Ethernet and camera/device operating power between the remote device and headend location using existing 75 ohm coaxial cable. It eliminates the need to have a separate power source at the remote location and provides operating power for the remote ComNet modem and PoE device. Based on the IEEE 802.3af standard for Power over Ethernet (PoE), the CWFE1P0C0AXA provides up to 15.4 watts of operating power to the remote PSE device. The CWFE1P0C0AXA transports Ethernet data at rates of up to 100 Mbps over a distance of 230 meters (750 feet) over standard 75 ohm coaxial cable. The CWFE1P0C0AXA or CWFE2P0C0AXA is used at the headend and the CWFE1P0C0AXBM is used at the remote location. ComNet products are made in the USA, and are available to purchase under GSA contract.

FEATURES

- Supports transmission distances of up to 230 m (750 ft.) over coaxial cable
- Power over Coax source - meets IEEE 802.3af standard for PoE, 15 watts
- Ethernet data rates of 100 Mbps
- BNC connector for coaxial cable
- IEEE 802.3 compliant
- Made in the USA
- Power supply included
- Five-year warranty

Anixter No.	Vendor No.	Description
448470	CWFE1P0C0AXA	Power over Coax; Power over Ethernet (PoE)
448471	CWFE2P0C0AXA	Dual Power over Coax; Power over Ethernet (PoE)
448472	CWFE1P0C0AXBM	Power over Coax; Power over Ethernet (PoE) remote

ComNet

ComNet CNGE3FE7MS Managed Ethernet Switch

COMNET

The ComNet CNGE3FE7MS Managed Ethernet Switch is a hardened Ethernet switch that transmits 10/100BASE-T, 100BASE-FX and 1000BASE-FX Ethernet data. Unlike most Ethernet switches, these hardened units are designed for use in out-of-plant or roadside operating environments, and are available for use with either conventional Cat 5e copper or optical transmission media. Depending on the configuration ordered, up to 10 electrical or up to three FX ports for optical transmission can be utilized for easily implementing point-to-point, linear add-drop, drop-and-repeat, star, or true self-healing ring and mesh network system architectures. The electrical ports support the 10/100/1000 Mbps (10/100BASE-TX) Ethernet IEEE 802.3 protocol, and auto-negotiating and auto-MDI/MDIX features are provided for simplicity and ease of installation. Available for use with multimode or single-mode optical fiber, selected by an optional SFP module, these network-managed Layer 2 switches are optically (100BASE-FX) and electrically compatible with any IEEE 802.3-compliant Ethernet devices.

FEATURES

- Environmentally hardened for deployment in unconditioned installations
- Extended ambient operating temperature range: -40°C to +74°C
- 10/100BASE-TX and 10/100/1000BASE-FX-compatible
- Flexible optics configuration via SFP plug-in modules (Contact us for specifications and pricing)
- DIN-rail or wall-mounted
- Redundant power supply compatibility reduces possibility of single-point-of-failure for highest possible reliability
- Fully configurable through Web-based or SNMP network management
- IGMP Snooping V1/V2/V3 for multicast filtering and IGMP Query V1/V2
- Port-based VLAN (IEEE 802.1Q)
- Rapid Spanning Tree protocol (IEEE 802.1W)
- Port-based security
- Readily available - 48-hour delivery
- Lifetime warranty

Anixter No.	Vendor No.	Description
394029	CNGE3FE7MS	Gbps managed Ethernet switch

ComNet ValueLine CNFE1MCM(M)(S) Media Converter

COMNET

The ComNet CNFE1MCM Mini Series Ethernet 2-port commercial-grade media converter is designed to transmit and receive 10/100 Mbps data over one multimode or single-mode optical fiber. The CNFE1MCM electrical interface will auto-negotiate to a 10 Mbps, or 100 Mbps Ethernet rate without any adjustments. The optical interface operates at a 100 Mbps Ethernet rate. ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contract.

FEATURES

- 10/100 Mbps Ethernet
- 10/100BASE-T/TX electrical port
- 100BASE-FX optical port
- Designed for installation in benign (0 to +60ºC) operating environments
- Electrical port supports auto-negotiation for 10 Mbps or 100 Mbps, full-duplex or half-duplex data
- Optical port supports 100 Mbps full-duplex data
- Automatic MDI/MDI-X crossover
- Distances up to: 3 km (2 miles) multimode; 45 km (28 miles) single-mode
- Transparent to data encoding/compatible with major data protocols
- Designed to meet full compliance with the environmental requirements of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- ST optical connectors standard
- Voltage-transient protection on all power and signal input/output lines
- LED indicators
- IEEE 802.3 compliant
- Lifetime warranty

Anixter No.	Vendor No.	Description
420727	CNFE1MCM A	ValueLine 10/100 Mbps Ethernet media converter, pairs with B
420728	CNFE1MCM B	ValueLine 10/100 Mbps Ethernet media converter, pairs with A

ComNet ValueLine CNFE1MCMPOE(M)(S) Media Converter with Power over Ethernet

COMNET

The ComNet CNFE1MCMPOE Mini Series Ethernet 2-port commercial-grade media converter is designed to transmit and receive 10/100 Mbps data over one multimode or single-mode optical fiber. The CNFE1MCMPOE features Power over Ethernet and supports IEEE 802.3at as power sourcing equipment (PSE) with up to 25 watts @ 48 V DC. The CNFE1MCM electrical interface will Auto-negotiate to a 10 Mbps, or 100 Mbps Ethernet rate without any adjustments. The optical interface operates at a 100 Mbps Ethernet rate. ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contract.

FEATURES

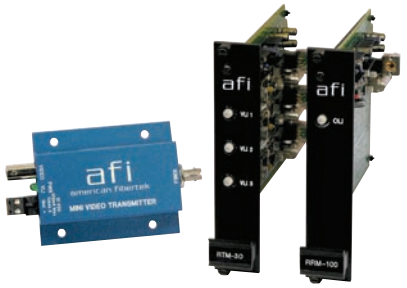
- Power over Ethernet (PoE) 25 W @ 48 V DC
- 10/100 Mbps Ethernet
- 10/100BASE-T/TX electrical port
- 100BASE-FX optical port
- Designed for installation in benign (0 to +60ºC) operating environments
- Electrical port supports Auto-negotiation for 10 Mbps or 100 Mbps, full-duplex or half-duplex data
- Optical port supports 100 Mbps full-duplex data
- Automatic MDI/MDI-X crossover
- Transparent to data encoding/compatible with major data protocols
- Designed to meet full compliance with the environmental requirements of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- ST optical connectors standard
- Voltage-transient protection on all power and signal input/output lines
- LED indicators
- IEEE 802.3 compliant
- Lifetime warranty

Anixter No.	Vendor No.	Description
420734	CNFE1MCMPOE B	ValueLine 10/100 Mbps Ethernet media converter with PoE, "B" side

American Fibertek

Single-channel 3-ports-per-card Rack-mount FM Video-transmission Systems

AMERICAN FIBERTEK



The American Fibertek M-30 Series products transmit and receive three channels of high-quality video on three multimode optical fibers using FM transmission. This system is designed to be completely transparent to all camera and monitor manufacturers. Products require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. The 30 Series are ordered as rack cards and are mounted in the American Fibertek SR-20/2 Card Cage. These units are compatible with the M100 series of single-channel video transmitters and receivers.

FEATURES

- For distances up to 24 km (14+ mi.)
- Full-color transmission
- Diagnostic indicators for video, power and optical presence
- Compatible with M100/M300/M300S transmitters and receivers
- "High density" - 42 video ports per rack
- Least-expensive video link available
- Single-mode and multimode versions available
- Available as stand-alone modules or in rack-card configurations for use with the American Fibertek SR-20/2 19 in. rack

850 NM

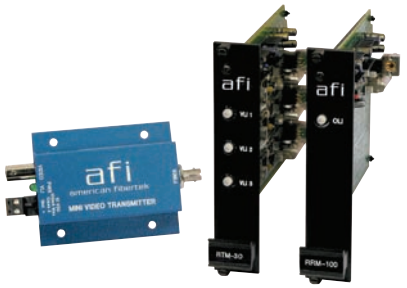
Anixter No.	Vendor No.	Description
258316	RTM-30	850 nm, MM "3-up" rack-mount transmitter 2.0 km
258317	RRM-30	850 nm, MM "3-up" rack-mount receiver 2.0 km

1300 NM

Anixter No.	Vendor No.	Description
258318	RTM-33	1300 nm, MM "3-up" rack-mount transmitter 7.0 km
258320	RRM-33	1300 nm, MM "3-up" rack-mount receiver 7.0 km
258321	RTM-33S	1300 nm, SM "3-up" rack-mount transmitter 24.0 km
258322	RRM-33S	1300 nm, SM "3-up" rack-mount receiver 24.0 km

Single-channel, Low-cost, FM Video-transmission System

AMERICAN FIBERTEK



The American Fibertek M100/M300/M300S Series products transmit and receive single-channel high-quality video using FM transmission. This system is designed to be completely transparent to all camera and monitor manufacturers. Products require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be ordered as stand-alone modules or rack cards that are mounted in the SR-20/2 American Fibertek Card Cage. These units are compatible with the M30/M33/M33S series of three single-channel rack-mount video transmitters and receivers.

FEATURES

- For distances up to 24 km (14+ mi.)
- Full-color transmission
- Compatible with NTSC, RS170A, RS343A, PAL, CCIR standards
- Smallest profile available anywhere
- Diagnostic indicators for video, power and optical presence
- Single-mode and multimode versions available
- Available as stand-alone modules or in rack-card configurations for use with the American Fibertek SR-20/2 19 in. rack

850 NM

Anixter No.	Vendor No.	Description
258427	MTM-100	850 nm, MM transmitter module 2.0 km
258428	RTM-100	850 nm, MM transmitter rack card 2.0 km
258448	RRM-100	850 nm, MM receiver rack card 2.0 km
258449	MRM-100C	850 nm, MM receiver module 2.0 km

1300 NM

Anixter No.	Vendor No.	Description
258429	RTM-300	1300 nm, MM transmitter rack card 7.0 km
258430	MTM-300	1300 nm, MM transmitter module 7.0 km
258431	MTM-300S	1300 nm, SM transmitter module 24.0 km
258432	RTM-300S	1300 nm, SM transmitter rack card 24.0 km
258433	MRM-300S	1300 nm, SM receiver module 24.0 km
258445	RRM-300S	1300 nm, SM receiver rack card 24.0 km
258446	RRM-300	1300 nm, MM receiver rack card 7.0 km
258447	MRM-300	1300 nm, MM receiver module 7.0 km

American Fibertek

Single-fiber Bi-directional Transceivers - Low Profile

AMERICAN FIBERTEK

The American Fibertek 1000 Series products transmit a single channel of high-quality video with an additional channel of bi-directional data on one single multimode optical fiber. Designed to be completely transparent to all camera and monitor manufacturers, this system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be mounted as stand-alone modules or rack units in the SR-20/2American Fibertek Card Cage.

FEATURES

- For distances up to 3 km (1.8 mi.)
- Full-color transmission
- Smallest profile available anywhere
- Compatible with Ademco Video, Baxall, Betatech, Molynx, Panasonic, Pelco, Philips, Sensormatic, Synectics, Vicon and other control suppliers
- Compatible with NTSC, RS170A, RS343A, PAL, CCIR standards
- Single-mode and multimode versions
- Available as stand-alone modules or in rack-card configurations for use with the American Fibertek SR-20/2 19 in. rack

WITH MANCHESTER CODE

Anixter No.	Vendor No.	Description
258407	MTM-1200B	MM video transmitter module with Manchester code 2.5 km
258408	RTM-1200B	MM video transmitter rack card with Manchester code 2.5 km
258425	RRM-1200B	MM video receiver rack card with Manchester code 2.5 km
258426	MRM-1200B	MM video receiver module with Manchester code 2.5 km

WITH RS-422

Anixter No.	Vendor No.	Description
258409	MTM-1400	MM video transmitter module with RS-422 code 2.5 km
258410	RTM-1400	MM video transmitter rack card with RS-422 code 2.5 km
258423	RRM-1400	MM video receiver rack card with RS-422 code 2.5 km
258424	MRM-1400	MM video receiver module with RS-422 code 2.5 km

WITH RS-485

Anixter No.	Vendor No.	Description
258411	MTM-1485	MM video transmitter module with RS-485 code 2.5 km
258412	RTM-1485	MM video transmitter rack card with RS-485 code 2.5 km
258421	RRM-1485	MM video receiver rack card with RS-485 code 2.5 km
258422	MRM-1485	MM video receiver module with RS-485 code 2.5 km

WITH UP-THE-COAX CODE

Anixter No.	Vendor No.	Description
339166	MTM-1605	MM video transmitter module with Up-the-Coax code 2.5 km
339167	RTM-1605	MM video transmitter rack card with Up-the-Coax code 2.5 km
339168	MTM-1605P	MM video transmitter module with Up-the-Coax code 2.5 km
339169	RTM-1605P	MM video transmitter rack card with Up-the-Coax code 2.5 km
339170	RRM-1605P	MM video receiver rack card with Up-the-Coax code 2.5 km
339171	MRM-1605P	MM video receiver module with Up-the-Coax code 2.5 km
339172	RRM-1605	MM video receiver rack card with Up-the-Coax code 2.5 km
339173	MRM-1605	MM video receiver module with Up-the-Coax code 2.5 km

Single-fiber Video System With Bi-directional Data

AMERICAN FIBERTEK

The American Fibertek 8000 Series products transmit four to eight channels of high-quality video with an additional channel of bi-directional data on one single multimode optical fiber. Designed to be completely transparent to all camera and monitor manufacturers, this system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be mounted as stand-alone modules or rack units by the position of the mounting brackets.

FEATURES

- For distances up to 25 km (15+ mi.), consult Anixter sales representative
- Real-time video transmission
- Full-color transmission
- Diagnostic indicators for video, power and optical presence

American Fibertek

- Compatible with NTSC, RS170A, RS343A, AL, CCIR standards
- Compatible with Baxall, Betatech, Molynx, Panasonic, Pelco, Philips, Sensormatic, Synectics, Vicon and other control suppliers
- Single-mode and multimode versions
- Equipment has modular or rack-mount selectable mounting brackets
- Universal power input (85-264 V AC)

4-CHANNEL

Anixter No.	Vendor No.	Description
258390	MTX-8423C	4-channel transmitter Manchester code 5.0 km
258391	MRX-8423C	4-channel receiver Manchester code 5.0 km
258392	MTX-8485C	4-channel transmitter RS-422 code 5.0 km
258393	MRX-8485C	4-channel receiver RS-422 code 5.0 km

8-CHANNEL

Anixter No.	Vendor No.	Description
258394	MRX-8823C	8-channel receiver Manchester code 5.0 km
258395	MTX-8823C	8-channel transmitter Manchester code 5.0 km
258396	MTX-8885C	8-channel transmitter RS-422 code 5.0 km
258397	MRX-8885C	8-channel receiver RS-422 code 5.0 km

Single-fiber 4-channel Video System

AMERICAN FIBERTEK

The American Fibertek 404C/440C/440C-SL Series products transmit four channels of high-quality video. Designed to be completely transparent to all camera and monitor manufacturers, these systems require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be ordered as stand-alone modules or rack cards that are mounted in the American Fibertek SR-20/2 Card Cage.

FEATURES

- For distances up to 25 km (15+ mi.)
- Real-time video transmission
- Full-color transmission
- Diagnostic indicators for video, power and optical presence
- Compatible with 500 Series audio/data modulators and demodulators
- Compatible with NTSC, RS170A, RS343A, PAL, CCIR standards
- Single-mode and multimode versions
- Available as stand-alone modules or in rack-card configurations for use with the American Fibertek SR-20/2 19 in. rack

2.5 KM SYSTEM

Anixter No.	Vendor No.	Description
258450	MT-404C	MM 4-channel transmitter module 2.5 km
258451	RT-404C	MM 4-channel transmitter rack card 2.5 km
258452	MR-404C	MM 4-channel receiver module 2.5 km
258453	RR-404C	MM 4-channel receiver rack card 2.5 km

5.0 KM SYSTEM

Anixter No.	Vendor No.	Description
258454	MT-440C	MM 4-channel transmitter module 5.0 km
258455	RT-440C	MM 4-channel transmitter rack card 5.0 km
258456	MR-440C	MM 4-channel receiver module 5.0 km
258457	RR-440C	MM 4-channel receiver rack card 5.0 km

25 KM SYSTEM

Anixter No.	Vendor No.	Description
258458	MT-440C-SL	SM 4-channel transmitter module 25 km
258459	RT-440C-SL	SM 4-channel transmitter rack card 25 km
258460	MR-440C-SL	SM 4-channel receiver module 25 km
258461	RR-440C-SL	SM 4-channel receiver rack card 25 km

Single-fiber - 10-bit Digital - 4-channel Video System

AMERICAN FIBERTEK

The American Fibertek 946 Series transmits four channels of high-quality, 10-bit digitized video along with one channel of bi-directional data and one channel of bi-directional contact closure on one multimode optical fiber. The 946SL Series transmits four channels of high-quality, 10-bit digitized video along with one channel of bi-directional data and one channel of bi-directional contact closure on one single-mode optical fiber. Available data formats are switch selectable and include: RS-485 (two or four wire), RS-422, RS-232, and Manchester/Bosch protocol data. Designed to be completely transparent to all camera and monitor manufacturers, the system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be ordered as stand-alone modules or rack cards that are mounted in SR-20D/2 or SR-20R/1 AFI Card Cages.

FEATURES

- 10-bit digital video transmission
- Available for multimode and single-mode fiber
- Diagnostic indications (LEDs): video, DC power, data activity, digital frame sync and optical presence
- Full-color, real-time video transmission
- Serial digital transmission

American Fibertek

(continued) Single-fiber - 10-bit Digital - 4-channel Video System

- Compatible with NTSC; RS-170A, RS-343A, PAL and SECAM
- Data formats: RS-485/RS-422, RS-232. One channel of bi-directional data
- One channel of bi-directional contact closure
- Available as stand-alone modules or in rack-card configurations for use with the American Fibertek SR-20/2 19 in. rack

Anixter No.	Vendor No.	Description
370795	MT-946	Stand-alone transmitter, multimode, 2 km
370796	RT-946	Rack-card transmitter, multimode, 2 km
370799	MR-946	Stand-alone receiver, multimode
370802	RR-946	Rack-card receiver, multimode
370803	MT-946SL	Stand-alone transmitter, single-mode, 40 km
370805	RT-946SL	Rack-card transmitter, single-mode, 40 km
370807	MR-946SL	Stand-alone receiver, single-mode
370808	RR-946SL	Rack-card receiver, single-mode

Single-fiber 8-channel Video System

AMERICAN FIBERTEK

The American Fibertek 880C/880C-SL Series products transmit eight channels of high-quality video on one multimode or single-mode optical fiber. Designed to be completely transparent to all camera and monitor manufacturers. These systems require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be mounted as stand-alone modules or rack units by position of the rack brackets.

FEATURES

- For distances up to 25 km (15+ mi.)
- Equipment has modular or rack-mount selectable mounting brackets
- Real-time video transmission
- Full-color transmission
- Diagnostic indicators for video, power and optical presence
- Compatible with NTSC, RS170A, RS343A, PAL, CCIR standards
- Compatible with 500 Series audio/data modulators and demodulators
- Single-mode and multimode versions
- Universal power input (85-264 V AC)

Anixter No.	Vendor No.	Description
258402	MRT-880C	1300 nm, MM single-fiber 8-channel transmitter module/rack 4.0 km
258403	MRR-880C	1300 nm, MM single-fiber 8-channel receiver module/rack 4.0 km
258405	MRT-880C-SL	1300 nm, SM single-fiber 8-channel transmitter module/rack 25 km
258406	MRR-880C-SL	1300 nm, SM single-fiber 8-channel receiver module/rack 25 km

Fiber Equipment Subrack System - Diagnostic Capable

AMERICAN FIBERTEK

The American Fibertek SR-20D/2 Series Fiber Equipment Subrack is a system that can be configured with any combination of AFI products, including transmitters, receivers or transceivers.

FEATURES

- Built-in AFI diagnostic capability
- Rear power bus to all plug-in cards
- 19 in. EIA rack-frame compatible
- 100 watt DC power supply included
- Up to 14 rack-card spaces
- Blank space slot cards for one, two or four space slots available
- Universal power input: 100 to 240 V AC at 47 to 63 Hz, 100 watts maximum

Anixter No.	Vendor No.	Description
370809	SR-20D/2	Fiber optic subrack system

Commander PoE Ethernet Switches with Environmental Monitoring, Alarms and Auxiliary Outputs

AMERICAN FIBERTEK

The Commander Series are fully managed 10-port network switches specifically designed for operation in mission-critical applications. They have two gigE ports and eight Fast Ethernet ports. V'nes Scout environmental-sensing features are built in to every Commander Switch and will support up to four P-TA, P-VFP or P-TAH.

FEATURES

- Scout Environmental monitoring for any combination up to four P-TA, P-TAH or P-VFP intelligent-sensing probes
- Built-in Web services for programming, operations and monitoring - no client software required and can be used with most Web-browser systems
- Eight Fast Ethernet 10/100BASE-T ports

Continued on next page >>

American Fibertek

- Two Gigabit Ethernet ports available in copper or fiber configurations for custom applications
- Separate setup menus for security and IT departments
- Environmentally hardened for true security performance
- Separate RS-232/485 data "back channels" for IP-based bi-directional communications
- "OPEN PATH" API availability and AFI engineering support for integration with third-party hardware and software products
- PoE af and PoE Plus

Anixter No.	Vendor No.	Description
339151	C10E	Eight Fast Ethernet/two Gigabit Ethernet copper port version
339152	C10P	Eight Fast Ethernet/two Gigabit Ethernet SFP pluggable port version
339154	C10E-POE	Eight Fast Ethernet/two Gigabit Ethernet copper port version with PoE
339155	SFP-SX	Pluggable fiber module for Commander C10P, 850 nm, 500 m
339156	SFP-LX	Pluggable fiber module for Commander C10P, 1310 nm, 10 km
339157	SFP-ZX	Pluggable fiber module for Commander C10P, 1550 nm, 80 km
339159	P-RB	Rack-mount bracket for P-TA and P-TAH sensors
339160	P-TA	Intelligent temperature and airflow sensor with 6 ft. USB cable
339161	P-TAH	Intelligent temperature airflow and humidity sensor with a 6 ft. USB cable
397225	P-VFP	Intelligent voltage, frequency and wattage sensor with 6 ft. USB cable

V'nes NET-I/O Network Communications Center

AMERICAN FIBERTEK

The NET-I/O is a "tunneling" product that provides a solution for transmitting real-world alarm contacts, auxiliary outputs and data across networks through its easy-to-use Web interface alarm.

Contacts generated at one location can trigger auxiliary outputs anywhere on your network. For the first time, physical contacts no longer have any distance limitations. Built-in data ports for RS-232 or RS-485. NET-I/O carries information from cash registers, point of sale, access control and alarm panels from remote locations. NET-I/O can e-mail alarms and auxiliaries and will also communicate to Commander and Scout products.

FEATURES

- Six-programmable and titleable alarm inputs
- Six-programmable and titleable auxiliary outputs
- Four RS-232/422/485 titleable data streams

Anixter No.	Vendor No.	Description
397229	N-664	Intelligent communications sensor

Copper Ethernet to Fiber Network Media Converters

AMERICAN FIBERTEK

American Fibertek's V'nes MX Media Converter series enables network managers to connect 10/100 Fast Ethernet or 1,000 Mbps GigE twisted-pair to fiber optic cabling for wide bandwidth, cost-effective short- or long-distance transmission. Multiple-port design reduces installation and cable allowing for multiple inputs to run on a single path. The Media Converter MX series provides optional single-fiber WDM technology combining dual-fiber cable into single cable for greater cost savings. Front-panel LEDs provide easy status checking along with Link Fault Pass Through and MDI/MDI-X for easy installation. When combined with Commander series switch products, the MX provides easy and cost-effective solutions to convert any number of ports from twisted-pair to fiber. The MX product line is available as stand-alone modules that can also be directly inserted into a modular rack and SR-20-compatible rack modular cards.

FEATURES

- Available in 10/100 and 10/100/1000 forms for both Ethernet and single and multimode fiber
- Different speeds can be mixed on either type of product
- Dual Ethernet ports allow for connection of two network devices
- Stand-alone units easy to convert to rack-mount units with addition of a front panel
- Link-fault detection using LEDs to indicate transmission problems

Anixter No.	Vendor No.	Description
369087	MX2-100MM-2KM	10/100BASE-T 2-port copper to 1-port MM fiber - 2 km
369088	MX2-100SM-20KM	10/100BASE-T 2-port copper to 1-port SM fiber - 20 km
369089	MX2-1000MM-500M	10/100/1000BASE-T 2-port copper to 1-port MM fiber - 500 m
369090	MX2-1000SM-20KM	10/100/1000BASE-T 2-port copper to 1-port SM fiber - 20 km
369092	MX4-100TX	10/100BASE-T 4-port copper TX
369093	MX4-1000TX	10/100/1000BASE-T 4-port copper TX
369094	MXRC-1	Rack for MX modules including power supply
369096	MXRCPS-1	Power supply for MXRC-1

CATV Balun II

MUXLAB INC

The CATV Balun II allows traditional 75 ohm coaxial cable to be replaced by a single pair of Cat 5 UTP cable in the CATV, VHF and FM environments in certain applications. Used in pairs, the CATV Balun II allows broadband CATV equipment to be integrated into structured cabling systems, thereby allowing CATV equipment to be moved or added to any convenient modular wall outlet. The CATV Balun II provides a versatile cabling solution for broadband video systems used by schools, government, offices, hospitals, financial institutions, hotels and residential complexes. The CATV Balun II works in conjunction with RF splitters, combiners, amplifiers and cable modems for a total cabling solution.

FEATURES

- Supports broadband Internet and digital cable
- High bandwidth - up to 900 MHz
- Low insertion loss
- Compact design

Anixter No.	Vendor No.	Description
324952	500302	CATV Balun II

CATV Distribution Hub

MUXLAB INC

The CATV Distribution Hub allows terrestrial broadband RF video to be distributed to multiple RF receivers via Cat 5 unshielded twisted-pair cable and is available in an 8-port or 16-port configuration. The product supports standard CATV channels, digital cable and broadband Internet. The CATV Hub also features built-in gain amplification, port buffering and works in conjunction with MuxLab's passive CATV Balun (500302) and other RF video equipment for a complete RF cabling solution.

FEATURES

- 900 MHz bandwidth
- Supports CATV, Internet, digital cable
- Built-in RF amplifier
- Bi-directional transmission
- Works with other standard RF video equipment

Anixter No.	Vendor No.	Description
366584	500300	CATV 8-port hub (desktop)
366595	500303	CATV 16-port hub (rack-mount)

CCTV Modular Balun

MUXLAB INC

The CCTV Modular Balun allows a single composite CCTV video signal to be transmitted via a single unshielded twisted pair for more cost-efficient cabling.

FEATURES

- Up to 2,200 ft. via Cat 5 with analog MUX or monitor
- Up to 1,000 to 1,500 ft. via Cat 5 with DVR equipment
- BNC to RJ45
- Compact, ergonomic design

Anixter No.	Vendor No.	Description
275866	500000	CCTV Modular Balun

CCTV Screw Terminal Balun

MUXLAB INC

The CCTV Screw Terminal Balun allows a single composite CCTV video signal to be transmitted via a single unshielded twisted pair for more cost-efficient cabling.

FEATURES

- Same performance as the CCTV Modular Balun (500000)
- BNC to screw terminals
- Fits side-by-side on the back of any DVR
- Dust and moisture protection via slide-on cover
- Cable strain relief

Anixter No.	Vendor No.	Description
275867	500009	CCTV Screw Terminal Balun

MuxLab

CCTV Mini Balun

MUXLAB INC

The CCTV Mini Balun allows a single composite CCTV video signal to be transmitted via a single unshielded twisted pair for more cost-efficient cabling.

FEATURES

- Same performance as the CCTV Modular Balun (500000)
- BNC to screw terminals
- 8 in. mini-coax lead
- Fits inside dome cameras and back boxes
- Dust and moisture protection via slide-on cover
- Cable strain relief

Anixter No.	Vendor No.	Description
282003	500023	CCTV Mini Balun

CCTV Power-Thru Balun

MUXLAB INC

The CCTV Power-Thru Balun allows video and remote power to be transmitted via one 4-pair Cat 5 cable, thus eliminating the need to install multiple cables for more efficient cabling in the CCTV security and surveillance environment. There are two models: 500024; with modular RJ45 connector and 500029; with screw terminals.

The Power-Thru Balun may be used in pairs or in conjunction with standard twisted-pair cross-connect devices and other MuxLab CCTV baluns such as the 500000, 500009, 500023, 500130, 500131 and 500015.

FEATURES

- Video and remote power via one 4-pair Cat 5 cable
- Video up to 2,200 ft. (670 m) via Cat 5 UTP
- Shorter distances may result with certain models of DVR
- Remote power up to 500 ft. (170 m) at 24 V AC/5 VA via three (3) twisted pairs

Anixter No.	Vendor No.	Description
287822	500024	CCTV Power-Thru Balun, RJ45
289422	500029	CCTV Power-Thru Balun, screw terminals

CCTV Pass-Thru Balun

MUXLAB INC

The CCTV Pass-Thru Balun allows video, two-wire PTZ control and remote power to be transmitted via one 4-pair Cat 5 cable, thus eliminating the need to install multiple cables for more efficient CCTV cabling.

FEATURES

- Same video performance as the CCTV Modular Balun (500000)
- Remote power up to 350 ft. (106 m) at 24 V AC/5 VA via two (2) twisted pairs
- Built-in cable leads for ease of installation

Anixter No.	Vendor No.	Description
282005	500022	CCTV Pass-Thru Balun

CCTV Pass-Thru/GLI Balun

MUXLAB INC

The CCTV Pass-Thru/GLI Balun allows video, remote power and two-wire PTZ control to be transmitted via one 4-pair Cat 5 cable and is designed for installations where ground loop issues may be present. The product features Ground Loop Isolation (GLI) and is installed either at the camera or DVR side in conjunction with other standard MuxLab CCTV baluns such as the 500009, 500022, 500024/29 and 500130.

FEATURES

- Same video performance as the CCTV Modular Balun (500000)
- Remote power up to 350 ft. (106 m) at 24 V AC/5 VA via two (2) twisted pairs
- Ground Loop Isolation (GLI)
- May be installed at camera or DVR side

Anixter No.	Vendor No.	Description
366596	500132	CCTV Pass-Thru/GLI Balun

Active CCTV Transmitter Balun

MUXLAB INC

The Active CCTV Transmitter Balun provides enhanced performance for a single CCTV video channel via Cat 5 unshielded twisted-pair (UTP) cable. The balun is installed at the CCTV camera and is powered by the camera power supply.

Anixter No.	Vendor No.	Description
366597	500100	Active CCTV Transmitter Balun, 12 V DC
366598	500101	Active CCTV Transmitter Balun, 24 V AC

LongReach Active CCTV Receiver Balun

MUXLAB INC

The LongReach Active CCTV Receiver Balun provides extended distance between the CCTV camera and CCTV headend via copper twisted-pair cable. Automatic image adjustment for picture brightness, sharpness and contrast, helping to eliminate manual adjustments and on-site service calls.

FEATURES

- Automatic image adjustment
- Up to 5,000 ft. (1.5 km) via Cat 5 UTP with passive balun at camera
- Connects directly to the DVR or switcher
- Supports NTSC, PAL and SECAM
- Ground loop blocking
- Requires 24 V AC (not included)

Anixter No.	Vendor No.	Description
275881	500015	LongReach Active CCTV Receiver Balun

Audio-Video Distribution Hub

MUXLAB INC

The Audio-Video Distribution Hub allows up to two composite video signals or one S-Video signal and up to two analog audio signals to be distributed to up to eight locations via twisted-pair cable for more cost-efficient cabling. Ideal for classrooms, auditoriums, digital signage, trade shows and multimedia venues.

FEATURES

- Cascadable up to 72 displays via looping output port
- Composite video up to 2,200 ft. (670 m) via Cat 5
- S-Video up to 1,000 ft. (300 m) in color via Cat 5
- Supports NTSC, PAL and SECAM
- Works in conjunction with MuxLab part nos.: 500000, 500001, 500009, 500012, 500016, 500017, 500019, 500021, 500023

Anixter No.	Vendor No.	Description
275882	500200	Audio-Video Distribution Hub, 110 V

Component Video Hub

MUXLAB INC

The Component Video Hub allows one (1) full component video (YPbPr/RGB) source and one (1) digital audio video source to be distributed up to eight (8) or sixteen (16) destinations depending on the model for more cost-efficient cabling. The 500250 supports up to eight (8) ports. The 500252 supports up to sixteen (16) ports. The hub works in conjunction with the 500050, 500052 and other MuxLab baluns that support component video digital audio and analog audio. Digital signage, boardroom systems, multiroom systems, classroom training, retail systems, electronic billboards, electronic signs, video kiosks, point-of-sale displays and in-store video.

FEATURES

- Modular RJ45 on input and output
- Cascadable up to two (2) levels
- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5
- Supports digital or analog audio on fourth twisted pair

MuxLab

- Ground loop isolation on every port
- Integrates seamlessly with MuxLab baluns

Anixter No.	Vendor No.	Description
339738	500250	Component Video Hub, 8 ports, 110 V
339739	500251	Component Video Hub, 8 ports, 220/240 V
341103	500252	Component Video Hub, 16 ports, 110 V
341104	500253	Component Video Hub, 16 ports, 220/240 V

Stereo Audio-Video Balun

MUXLAB INC

The Stereo Audio-Video Balun allows a single composite video signal and a maximum of two unbalanced audio signals to be transmitted via unshielded twisted-pair (UTP) cable in a point-to-point connection.

FEATURES

- Cost-effective cabling
- Up to 2,200 ft. (670 m) in color via Cat 5 UTP
- Includes one 9 in. coax (BNC/BNC) jumper cable

Anixter No.	Vendor No.	Description
275874	500001	Stereo Audio-Video Balun

S-Video Balun

MUXLAB INC

The S-Video Balun allows one S-Video channel to be connected via two unshielded twisted pairs. Ideal for laptop presentations, home entertainment and digital signage applications.

FEATURES

- Up to 1,000 ft. via Cat 5 twisted pair
- 4-pin mini DIN to RJ45
- 5 in. cable lead for ease of installation

Anixter No.	Vendor No.	Description
275870	500016	S-Video Balun, 4-pin DIN to RJ45

S-Video/Hi-Fi Balun

MUXLAB INC

The S-Video/Hi-Fi Balun allows a single S-Video signal to be transmitted via unshielded twisted-pair (UTP) cable up to 1,000 ft. (305 m) in a point-to-point connection.

The S-Video/Hi-Fi Balun features full audio bandwidth response for high-fidelity applications and features built-in color-coded cable leads for ease of installation.

FEATURES

- Up to 1,000 feet (305 m) via Cat 5 UTP
- 20 Hz to 20 kHz audio bandwidth
- Compact design for neater wiring
- Lifetime warranty

Anixter No.	Vendor No.	Description
339733	500038	S-Video/Hi-Fi Balun

S-Video/Hi-Fi Wall Plate Balun - US

MUXLAB INC

The S-Video/Hi-Fi Wall Plate Balun (500038-WP-US) allows a single S-Video signal to be transmitted via unshielded twisted-pair (UTP) cable up to 1,000 ft. (305 m) in a point-to-point connection. The S-Video/Hi-Fi Wall Plate Balun features full audio bandwidth response for high-fidelity applications and is Decora compatible for ease of installation. The S-Video/Hi-Fi Wall Plate Balun works in pairs or in conjunction with the 500038 or 500017. Applications include: classroom video distribution, commercial and home audio/video systems, hospital video training, video conferencing and video kiosks.

FEATURES

- Up to 1,000 ft. (305 m) via Cat 5 UTP
- 20 Hz to 20 kHz audio bandwidth
- Decora compatible
- Lifetime warranty

Anixter No.	Vendor No.	Description
420760	500038-WP-US	S-Video/Hi-Fi Wall Plate Balun

S-Video/Audio Balun

MUXLAB INC

The S-Video/Audio Balun allows one S-Video channel and two audio channels to be connected via four unshielded twisted pairs. Ideal for boardroom presentation systems, home entertainment and digital signage systems.

FEATURES

- Up to 1,000 ft. via Cat 5 twisted pair
- 4-pin mini DIN for video
- RCA connectors for audio
- Built-in cable lead for ease of installation

Anixter No.	Vendor No.	Description
275880	500017	S-Video/Audio Balun, 4-pin DIN and RCA to RJ45

Dual Audio-Video Balun

MUXLAB INC

The Dual Audio-Video Balun allows two baseband video channels and two baseband audio channels to be transmitted via four unshielded twisted pairs for more cost-efficient cabling. Ideal for home entertainment, videoconferencing and audio-video distribution.

FEATURES

- Composite video up to 2,200 ft. (670 m) via Cat 5
- S-Video up to 1,000 ft. (300 m) via Cat 5
- Four (4) RCA connectors for audio and video
- RJ45 for twisted pair

Anixter No.	Vendor No.	Description
275879	500012	Dual Audio-Video Balun, RCA to RJ45

Quad Video Balun

MUXLAB INC

The Quad Video Balun allows up to four composite video signals to be transmitted via unshielded twisted-pair (UTP) cable in a point-to-point connection. Used in pairs, the Quad Video Balun eliminates up to four coaxial cables, allowing video equipment to be connected via space-efficient and cost-effective Category 5 twisted-pair cable. The Quad Video Balun also works in conjunction with other MuxLab composite video baluns such as the 500000, 500009 and 500021.

FEATURES

- Cost-efficient - replaces up to four coax cables
- Composite video up to 2,200 ft. (670 m) via Cat 5
- Component video up to 500 ft. (152 m) via Cat 5
- Compact design for neater wiring

Anixter No.	Vendor No.	Description
315571	500032	Quad Video Balun, RCA

Quad Audio Balun

MUXLAB INC

The Quad Audio Balun allows up to four analog line audio signals to be transmitted via unshielded twisted-pair (UTP) cable in a point-to-point connection. Used in pairs, the Quad Audio Balun allows up to four coax audio cables to be replaced by one Cat 5 cable. The Quad Audio Balun also works in conjunction with other MuxLab analog audio baluns such as the 500019.

FEATURES

- Cost-efficient cabling - save up to four cables
- Analog audio up to 5,000 ft. (1.5 km) via Cat 5
- Compact design for neater wiring

Anixter No.	Vendor No.	Description
315573	500033	Quad Audio Balun

MuxLab

Analog Audio Balun

MUXLAB INC

The Analog Audio Balun allows any 75 ohm unbalanced analog audio signal to be transmitted via a single unshielded twisted-pair (UTP) cable for more cost-efficient cabling. Ideal for auditoriums, arenas, schools, home theatre systems, airports, hotels, hospitals and conference rooms.

FEATURES

- Up to 5,000 ft. (1.5 km) via Cat 5 UTP
- 40 to 20 kHz bandwidth
- Gold-plated RCA connector
- Cable strain relief
- Compact design

Anixter No.	Vendor No.	Description
275869	500019	Analog Audio Balun, RCA to screw terminal

Component Video Balun

MUXLAB INC

The Component Video Balun allows a single component video signal (Y, Pb or Pr) to be transmitted via cost-effective unshielded twisted-pair (UTP) cable. Three balun pairs are required for one complete component (YPbPr) video connection.

FEATURES

- Three balun pairs required per YPbPr connection
- Component video up to 1,000 ft. (305 m) via Cat 5
- Composite video up to 2,200 ft. (670 m) via Cat 5
- Gold-plated connector
- Cable strain relief
- Compact design
- Supports 480i/p only

Anixter No.	Vendor No.	Description
275872	500021	Component Video Balun, RCA to screw terminal

Component Video/Digital Audio Balun

MUXLAB INC

The Component Video/Digital Audio Balun allows one component video (YPbPr or RGB) signal and one digital audio signal to be transmitted via one Cat 5 twisted-pair cable for more cost-efficient cabling.

FEATURES

- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5
- Molded color-coded RCA cable leads
- Supports digital audio on fourth twisted pair
- Modular shielded RJ45 connector

Anixter No.	Vendor No.	Description
312789	500050	Component Video/Digital Audio Balun, M
366601	500051	Component Video/Digital Audio Balun, F

Component Video/Analog Audio Balun

MUXLAB INC

The Component Video/Digital Audio Balun allows one component video (YPbPr or RGB) signal and one analog audio signal to be transmitted via one Cat 5 twisted-pair cable for more cost-efficient cabling.

FEATURES

- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5
- Molded color-coded RCA cable leads
- Supports analog audio on fourth twisted pair
- Modular shielded RJ45 connector

Anixter No.	Vendor No.	Description
366604	500052	Component Video/Analog Audio Balun, M
366605	500053	Component Video/Analog Audio Balun, F

Component Video/IR Pass-Thru Balun

MUXLAB INC

The Component Video/IR Pass-Thru Balun allows one component video (YPbPr or RGB) signal and one IR emitter pass-thru signal to be transmitted via one Cat 5 twisted-pair cable for more cost-efficient cabling.

FEATURES

- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5
- Molded color-coded RCA cable leads
- Supports IR emitter pass-thru on fourth twisted pair
- Modular shielded RJ45 connector

Anixter No.	Vendor No.	Description
366607	500054	Component Video/IR Pass-Thru Balun, M
366608	500055	Component Video/IR Pass-Thru Balun, F

Component Video/Analog Audio Wall Plate Balun

MUXLAB INC

The Component Video/Analog Audio Wall Plate Balun (500053-WP-US) allows one component video (YPbPr or RGB) signal and one analog audio signal to be transmitted via one Category 5e/6 twisted-pair cable for more cost-efficient cabling. Used in pairs or with the 500052/500053, the Component Video/Analog Audio Wall Plate Balun supports 480i/p, 720p and 1080i/p video formats for commercial and residential high-definition (HDTV) video applications.

FEATURES

- Supports 480i/p, 720p, 1080i/p
- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5e/6
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5e/6
- Supports analog audio on fourth twisted pair
- Decora compatible
- Modular shielded RJ45 connector

Anixter No.	Vendor No.	Description
420830	500053-WP-US	Component Video/Analog Audio Wall Plate Balun

Active VGA Balun Kit

MUXLAB INC

The Active VGA Balun Kit allows VGA video to be transmitted via cost-efficient unshielded copper twisted-cable in a point-to-point configuration. Each kit includes one transmitter and one receiver. The product supports up to 1,800x1,440 pixels for applications that require superior performance and features manual gain adjustment and local monitor output for added versatility.

FEATURES

- Up to 500 ft. (152 m) via Cat 5 TP at 1,600x1,200
- Support for local monitor
- Adjustable gain control

Anixter No.	Vendor No.	Description
321076	500035	Active VGA Balun Kit, 110 V

MuxLab

VGA Balun

MUXLAB INC

The VGA Balun allows one VGA video channel to be connected via four twisted pairs for more cost-efficient cabling. Ideal for classrooms, lecture halls, auditoriums, digital signage, video information displays, online advertising, trade shows, DVR monitors, hotel and convention centers, laptop presentations and collaborative viewing.

FEATURES

- Save conduit space
- Up to 350 ft. (106 m) via Cat 5 at 800x600 resolution
- Supports PCs, laptops, CRT, DLP, plasma, LCD, touch screens
- One VGA connector for video and RJ45 for twisted pair
- Shielded twisted pair is highly recommended to ensure common signal ground between the VGA source and the VGA display

Anixter No.	Vendor No.	Description
275877	500010	VGA Balun, PC side, DB15HD-male
275878	500011	VGA Balun, monitor side, DB15HD-female
282002	500014	VGA Balun, monitor side, DB15HD-male

VGA Balun II

MUXLAB INC

The VGA Balun II eliminates costly and bulky VGA cable, allowing a VGA source to be connected to a VGA monitor via one 4-pair Cat 5 unshielded twisted-pair (UTP) cable. Used in pairs, the VGA Balun II allows VGA video to be transmitted up to 350 ft. (107 m) via Cat 5 at 800x600 resolution. Each VGA connection requires MuxLab part no. 500040 or 500043 at the source and either part no. 500041 or 500042 at the display. The VGA Balun II works in conjunction with laptops, PCs, plasmas, CRT, LCD monitors and DLP projectors. Typical applications include digital signage, boardroom systems, classroom video instruction and custom audio-video systems. The product features a reset button that may be required when used in conjunction with certain sync-sensitive displays.

FEATURES

- Fully supports Cat 5 unshielded twisted pair (UTP)
- Cost-efficient versus VGA cable
- Use existing structured cabling system
- Save conduit space
- Reset button on units may be required with certain sync-sensitive displays
- Not compatible with 500010, 500011, 500014, 500035 or 500036

Anixter No.	Vendor No.	Description
339735	500040	VGA Balun II, DB15 HD plug, PC side
339736	500041	VGA Balun II, DB15 HD receptacle, monitor side
339737	500042	VGA Balun II, DB15 HD plug, monitor side
366620	500043	VGA Balun II, DB15 HD receptacle, PC side

VGA Wall Plate Balun II - US

MUXLAB INC

The VGA Wall Plate Balun II (500041-WP-US, 500043-WP-US) eliminates costly and bulky VGA cable, allowing a VGA source to be connected to a VGA monitor via one (1) Cat 5e/6 cable. The VGA Wall Plate Balun II allows VGA video to be transmitted up to 350 ft. (107 m) via Cat 5e/6 at 800x600 resolution. The 500043-WP-US works with the 500041-WP-US or in conjunction with the 500041 or 500042. The 500041-WP-US works with the 500043-WP-US or in conjunction with the 500040 or 500043. Typical applications include digital signage, boardroom systems, classroom video instruction and custom audio-video systems. The product features a reset button that may be required when used in conjunction with certain sync-sensitive displays.

FEATURES

- Fully supports Cat 5e/6 unshielded twisted pair (UTP)
- Cost-efficient versus VGA cable
- Decora compatible
- Save conduit space
- Reset button on units may be required with certain sync-sensitive displays. Not compatible with 500010, 500011 and 500014

Anixter No.	Vendor No.	Description
420832	500041-WP-US	VGA Wall Plate Balun II, HD15F, monitor side
420833	500043-WP-US	VGA Wall Plate Balun II, HD15F, PC side

PS/2 Converter

MUXLAB INC

The PS/2 Converter allows a standard PS/2 keyboard and mouse to be connected to a PC up to 350 ft. away (106 m) via Cat 5 unshielded twisted-pair cable in a point-to-point configuration. There are two models: 500045 and 500046. Both models work in pairs or in conjunction with each other for maximum cabling flexibility. The 500045 is designed to connect easily to a PS/2 keyboard and mouse. The 500046 is designed to connect easily to the PC.

FEATURES

- Up to 350 ft. (106 m) via Cat 5 UTP
- Color-coded cable leads
- Compact design

Anixter No.	Vendor No.	Description
321078	500045	PS/2 Converter - PS/2-receptacle, keyboard/mouse side
321079	500046	PS/2 Converter - PS/2-plug, PC/server side
330850	500047	PS/2 Converter Kit (500045 and 500046)

Stereo Audio Balun

MUXLAB INC

The Stereo Audio Balun allows unbalanced line level stereo analog audio to be transmitted via Cat 5 unshielded copper twisted pair (UTP) in a point-to-point connection.

The product is designed for audio applications where primarily midrange audio-frequency response is required.

FEATURES

- Cost-efficient cabling
- Up to 5,000 ft. (1.5 km) via Cat 5 UTP
- Color-coded RCA cable leads
- Quicker moves, adds and changes
- Compact design

Anixter No.	Vendor No.	Description
339724	500027	Stereo Audio Balun

MuxLab

Stereo Hi-Fi Balun

MUXLAB INC

The Stereo Hi-Fi Balun allows unbalanced line level stereo analog audio to be transmitted via Cat 5 unshielded copper twisted pair (UTP) in a point-to-point connection. The product is designed for audio applications where full-range, hi-fidelity audio-frequency response is required.

FEATURES

- 20 Hz to 20 KHz bandwidth
- Cost-efficient cabling
- Up to 3,250 ft. (1 km) via Cat 5 UTP
- Color-coded RCA cable leads
- Quicker moves, adds and changes

Anixter No.	Vendor No.	Description
339731	500028	Stereo Hi-Fi Balun

Stereo Hi-Fi / Video Balun

MUXLAB INC

The Stereo Hi-Fi / Video Balun (500039) allows a single composite video signal to be transmitted via unshielded twisted-pair (UTP) cable up to 2,200 ft. (670 m) in a point-to-point connection. The Stereo Hi-Fi/Video Balun features full audio bandwidth response for hi-fidelity applications and features built-in color-coded cable leads for ease of installation.

FEATURES

- Up to 2,200 ft. (670 m) via Cat 5 UTP
- 20 Hz to 20 kHz audio bandwidth
- Built-in color-coded cable leads
- Compact design for neater wiring
- Lifetime warranty

Anixter No.	Vendor No.	Description
339734	500039	Stereo Hi-Fi / Video Balun

HDMI Econo Plus Extender Kit

MUXLAB INC

The HDMI Econo Plus Extender Kit (500401) allows HDMI equipment to be connected up to 90 ft. (27 m) via two Cat 5e unshielded twisted-pair cables in a point-to-point configuration at 1080p Deep Color (12-bit) resolution. The kit comes with one transmitter and one receiver. The product is the upgrade replacement to the 500400.

FEATURES

- Up to 150 ft. (45 m) @ 1080p via Cat 5e
- Up to 90 ft. (27 m) @ 1080p deep color via Cat 6
- Connect via two Cat 5e cables
- Compact design

Anixter No.	Vendor No.	Description
414602	500401	HDMI Econo Plus Extender Kit

HDMI IR/Extender Kit

MUXLAB INC

The HDMI IR/Extender Kit (500405) allows HDMI equipment to be connected up to 300 ft. (91 m) via two (2) Cat 5e/6 unshielded twisted-pair cables in a point-to-point configuration at 1080i resolution. The product also supports 1080p Deep Color up to 150 ft. (46 m) via two (2) Cat 6 cables. The kit includes one (1) transmitter, one (1) receiver, one (1) IR Emitter, one (1) IR Sensor and two (2) power supplies. The transmitter (500406) and receiver (500407) are also sold separately. Replacement IR Emitter (500998) and IR Sensor (500999) may be ordered.

FEATURES

- Up to 150 ft. (46 m) @ 1080p Deep Color via Cat 6
- Up to 300 ft. (91 m) @ 1080i via Cat 5e/6
- Connect via two (2) Cat 5e/6 cables
- Includes IR Emitter and IR Sensor

Anixter No.	Vendor No.	Description
423710	500406	HDMI IR/Transmitter
423714	500407	HDMI IR/Receiver
420840	500405	HDMI, IR/Extender Kit

HDMI 1x4 Distribution Hub

MUXLAB INC

The HDMI 1x4 Distribution Hub (500420) allows one (1) HDMI source to be distributed to up to four (4) HDMI displays via two (2) Cat 5e/6 cables. The product supports up to 150 ft. (46 m) at 1080p/8-bit via Cat 5e cable on either side of the hub. The product supports remote IR control and works in conjunction with the HDMI IR/Extender (500405 [kit], 500406 [Tx] and 500407 [Rx]).

FEATURES

- Distributes one HDMI source to up to four displays
- Supports Cat 5e/6 on input and output sides
- Up to 150 ft. (46 m) @ 1080p via two (2) Cat 5e
- Up to 300 ft. (91 m) @ 1080i via two (2) Cat 5e
- Up to 150 ft. (46 m) @ 1080p Deep Color via Cat 6
- Cascadable
- Local HDMI output
- Includes one (1) IR Emitter for IR source control
- EDID configuration switch

Anixter No.	Vendor No.	Description
423716	500420	HDMI 1x4 Distribution Hub

LongReach 16 Active CCTV Hub

MUXLAB INC

The LongReach 16 Active CCTV Hub provides a complete "plug-and-forget" CCTV cabling solution via copper twisted-pair cable.

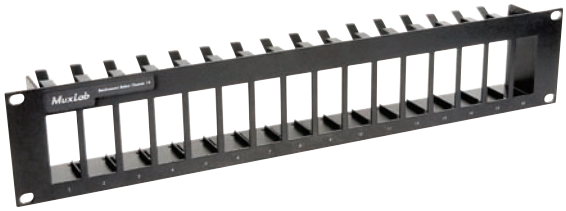
FEATURES

- Auto gain control on every port, no need for manual adjustments
- Up to 4,500 ft. (1.2 km) via Cat 5 UTP with passive CCTV baluns at cameras
- 500120: Connects to the DVR or switcher via twisted pair
- 500122: Connects directly to the DVR or switcher via coax
- Supports NTSC, PAL and SECAM
- Ground loop blocking
- Power requirements: North America: 24 V AC/60 VA; Europe: 24 V AC/70 VA

Anixter No.	Vendor No.	Description
282000	500120	LongReach 16 Active CCTV Hub, UTP/UTP, 110 V/24 V AC
282001	500122	LongReach 16 Active CCTV Hub, UTP/coax, 110 V/24 V AC

Rackmount Balun Chassis 16

MUXLAB INC



The Rackmount Balun Chassis 16 is designed as a headend cable-management solution to allow any combination of MuxLab square baluns to be installed in a 19 in. relay rack. Headend A/V equipment such as DVD players, video servers and satellite boxes may be installed in a local wiring closet and connected to the Cat 5 structured cabling system via a wide array of MuxLab balun solutions. The panel is custom-tailored to allow any combination of up to 16 MuxLab baluns to be installed. The baluns may be installed with the RJ45 either front- or rear-facing depending on where the Cat 5 cabling will enter or exit the system. At the display end, the appropriate MuxLab baluns are installed at the display to support a fully Cat 5 cabling solution. Each balun snaps into place and is held firmly by a spring latching mechanism. The one-piece design makes the product easy to install and maintain. There are no parts to lose or replace. Blank Filler Modules (500901) may be ordered separately to fill in unused slot positions.

FEATURES

- Space-efficient - 2U height
- One-piece design
- Latching mechanism for secure installation
- Supports up to 16 baluns
- Snap-in design for ease of installation
- Baluns install forward- or rear-facing
- Includes four rack-mount screws and washers
- Slot number silkscreen on front and rear
- Blank Filler Modules (500901) sold separately

Anixter No.	Vendor No.	Description
349055	500900	Rackmount Balun Chassis 16

MuxLab

Wall Mount Balun Fixture

MUXLAB INC

The Wall Mount Balun Fixture (500910) allows any MuxLab square balun to be installed behind a Decora compatible wall plate for custom A/V installation. The baluns may be installed with the RJ45 either front- or rear-facing depending on where the Cat 5 cabling will enter or exit the system. At the headend, the appropriate MuxLab baluns are installed near the equipment to support a fully Cat 5 cabling solution. Each balun snaps into place and is held firmly by a spring latching mechanism. The one-piece design makes the product easy to install and maintain. There are no parts to lose or replace.

FEATURES

- Supports one (1) MuxLab square balun
- Decora compatible
- One-piece design
- Spring clip holds balun securely in place
- Baluns install front- or rear-facing
- Snap-off mounting tabs for mounting versatility.
- Attaches to standard gang boxes and mud rings

Anixter No.	Vendor No.	Description
368149	500910	Wall Mount Balun Fixture

Surface Mount Balun Plate

MUXLAB INC

The Surface Mount Balun Plate (500915) allows any MuxLab square balun to be installed on a wall or furniture surface for a more permanent and secure installation. Headend A/V equipment such as DVD players, video servers and satellite boxes may be installed in a local wiring closet and connected to the Cat 5 structured cabling system via a wide array of MuxLab balun solutions. The 500915 fully covers the balun and allows the pin configuration to be displayed for ease of reference. Mounting ears are positioned to allow multiple fixtures to be installed next to each other. The 500915 comes with two mounting screws and plastic anchors for drywall (gyproc) installation.

FEATURES

- One-piece design
- May be mounted close to each other
- Includes two mounting screws and anchors
- Balun sold separately

Anixter No.	Vendor No.	Description
368152	500915	Surface Mount Balun Plate

Component/Composite Video Balun

MUXLAB INC

The Component/Composite Video Balun allows one component video (YPbPr or RGB) signal and one composite video signal to be transmitted via one Cat 5 twisted-pair cable for more cost-efficient cabling.

FEATURES

- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5
- Molded color-coded RCA cable leads
- Supports composite video on fourth twisted pair
- Modular shielded RJ45 connector

Anixter No.	Vendor No.	Description
370226	500056	Component/Composite Video Balun, M
370227	500057	Component/Composite Video Balun, F

MuxLab

USB 4-Port Extender Kit

MUXLAB INC

The USB 4-Port Extender Kit allows up to four (4) USB 1.1 full-speed or low-speed devices to be connected to a USB host via one (1) Cat 5e/6 cable. The USB Extender supports up to 150 ft. (46 m) in a point-to-point connection. The kit comes with one (1) host-side adapter, one (1) device-side transceiver and one (1) power supply for devices requiring 500 mA. The USB Extender Receiver may be installed in MuxLab rack-wall and surface-mount accessories for neater installation.

Anixter No.	Vendor No.	Description
394270	500070	USB 4-Port, USB extender kit

Component Video/Stereo Audio Balun

MUXLAB INC

The Component Video/Stereo Audio Balun (500058) allows one component video (YPbPr or RGB) signal and one (1) stereo audio channel to be transmitted via one (1) Cat 5e/6 twisted-pair cable for more cost-efficient cabling. The product features ground loop coupling (GLC) to help eliminate "hum-bars."

Anixter No.	Vendor No.	Description
394255	500058	Component Video/Stereo Audio Balun

Active Component Video Balun Kit

MUXLAB INC

The Active Component Video Balun Kit allows component video, analog stereo audio and/or digital audio, plus one IR-emitter signal to be transmitted via one (1) Cat 5e/6 cable in a point-to-point configuration.

FEATURES

- Up to 1,000 ft. (305 m) via Cat 5e/6 @ 480i/p
- Up to 500 ft. (152 m) via Cat 5e/6 @ 1080p
- Supports simultaneous stereo and digital audio
- IR-Emitter pass-through
- Manual brightness compensation
- Manual sharpness compensation
- Ground loop isolation

Anixter No.	Vendor No.	Description
394256	500090	Active Component Video Balun Kit

Active VGA Balun II Kit

MUXLAB INC

The Active VGA Balun II Kit allows VGA or component video to be transmitted via cost-efficient unshielded copper twisted-pair cable in a point-to-point configuration. The product supports remote power pass-thru and is DDC-compliant with all "plug-and-play" laptops, PCs and displays.The product supports up to 1,920x1,440 pixels and 1080p resolution and features manual gain adjustment and local monitor output for added versatility.

FEATURES

- Up to 600 ft. (180 m) via Cat 5e/6 @ 1,920 x 1,440
- Up to 600 ft. (180 m) via Cat 5e/6 @ 1080p
- Remote power pass-thru up to 150 ft. (46 m)
- DDC1/DDC2 (plug-and-play) compliant
- Manual gain compensation
- Local monitor output
- Ground loop isolation
- Includes U.S., UK and Euro blades

Anixter No.	Vendor No.	Description
394257	500140	Active VGA Balun II Kit (includes 1 Tx and 1 Rx)
420928	500141	Active VGA Balun II, transmitter only (PC side). No PSU for use with 500150

MuxLab

Anixter No.	Vendor No.	Description
394258	500142	Active VGA Balun II, receiver only (display). No PSU for use with 500150
394260	500144	Power supply 100-240 V/12 V DC/5 A for 500142

VGA 1x4 Distribution Hub

MUXLAB INC

The VGA 1x4 Distribution Hub allows one (1) VGA (RGBHV) source to be distributed up to up to four (4) displays via Cat 5/6 cable for more cost-efficient cabling. The hub works in conjunction with the Active VGA Balun II Kit (500140) and Active VGA Balun II Receivers (500142). At least one (1) 500140 is required to support one (1) display. Up to three (3) additional 500142 may be added to support up to three (3) additional displays.

FEATURES

- Plug-and-play - DDC1 and DDC2-compliant
- Remote power up to 150 ft. (46 m)
- Modular RJ45 on input and output
- Supports up to 1,920x1,440, 1080p
- Cascadable up to four (4) levels
- Ground loop isolation on every port
- Works in conjunction with 500140 and 500142

Anixter No.	Vendor No.	Description
394261	500150	VGA Hub, 4 ports, 110 V

Stereo AV/IR Pass-Thru Balun

MUXLAB INC

The Stereo AV/IR Pass-Thru Balun (500048, 500049) allows one (1) composite video, one (1) stereo audio and one (1) IR emitter signal to be transmitted via a single Cat 5e/6 cable in a point-to-point connection. The Stereo AV/IR Pass-Thru Balun features full audio bandwidth response for high-fidelity applications and features built-in color-coded cable leads for ease of installation.

FEATURES

- Video up to 2,200 ft. (670 m) via Cat 5e/6
- Audio up to 3,250 ft. (990 m) via Cat 5e/6
- 20 Hz to 20 kHz audio bandwidth
- IR two-wire emitter pass-thru on fourth twisted pair
- Built-in color-coded cable leads
- Lifetime warranty

Anixter No.	Vendor No.	Description
394253	500048	Stereo AV/ IR Pass-Thru Balun, M
394254	500049	Stereo AV/IR Pass-Thru Balun, F

CCTV Modular RCA Balun

MUXLAB INC

The CCTV Modular RCA Balun allows a single composite CCTV video signal to be transmitted via a single unshielded twisted-pair cable for more cost-efficient cabling.

FEATURES

- Up to 2,200 ft. via Cat 5 with analog MUX or monitor
- Up to 1,000 ft. to 1,500 ft. via Cat 5 with DVR equipment
- RCA-M to RJ45
- Compact, ergonomic design

Anixter No.	Vendor No.	Description
394251	500031	CCTV Modular RCA Balun

Stereo PC-Audio Balun

MUXLAB INC

The Stereo PC-Audio Balun allows unbalanced line level stereo analog audio to be transmitted via Category 5/6 unshielded copper twisted pair (UTP) in a point-to-point connection. The product is designed for audio equipment with 3.5 mm line-level stereo output such as PC sound cards, laptops and multimedia servers where midrange audio-frequency response is required. The Stereo PC-Audio Balun also works in conjunction with other MuxLab products such as the 500019, 500001, 500012, 500017, 500027, 500028 and 500200 for a more complete cabling solution.

FEATURES

- Cost-efficient cabling
- Up to 5,000 ft. (1.5 km) via Cat 5/6 UTP
- Built-in 3.5mm stereo plug lead
- Quicker moves, adds and changes
- Compact design

Anixter No.	Vendor No.	Description
394252	500030	Stereo PC-Audio Balun

Rackmount Balun Chassis 6

MUXLAB INC

The Rackmount Balun Chassis 6 is designed as a headend cable management solution to allow any combination of MuxLab square baluns to be installed in a 19 in. relay rack. Headend A/V equipment such as DVD players, video servers and satellite boxes may be installed in a local wiring closet and connected to the Cat 5 structured cabling system via a wide array of MuxLab balun solutions. The panel is custom-tailored to allow any combination of up to six MuxLab baluns to be installed. The baluns may be installed with the RJ45 either front or rear facing depending on where the Cat 5 cabling will enter or exit the system. At the display end, the appropriate MuxLab baluns are installed at the display to support a fully Cat 5 cabling solution. Each balun snaps into place and is held firmly by a spring latching mechanism. The one-piece design makes the product easy to install and maintain. There are no parts to lose or replace. Blank Filler Modules (500901) may be ordered separately to fill in unused slot positions.

FEATURES

- Space-efficient - 1U height
- One-piece design
- Latching mechanism for secure installation
- Supports up to six baluns
- Snap-in design for ease of installation
- Baluns install front- or rear-facing
- Includes four rack-mount screws and washers
- Slot number silkscreen on front and rear
- Blank Filler Modules (500901) sold separately

Anixter No.	Vendor No.	Description
420919	500902	Rackmount Balun Chassis 6

Component Video/Stereo Audio Wall Plate Balun - US

MUXLAB INC

The Component Video/Stereo Audio Wall Plate Balun (500058-WP-US) allows one component video (YPbPr or RGB) signal and one (1) Stereo Audio channel to be transmitted via one (1) Cat 5e/6 twisted-pair cable for more cost-efficient cabling. The product fits Decora compatible outlet boxes for neater wall-mount installation. Used in pairs or in conjunction wih the 500058, the Component Video/Stereo Audio Balun supports high-definition resolution and true left/right stereo audio for hi-fidelity commercial and residential A/V applications.

FEATURES

- Supports true Hi-Fi left/right analog stereo audio ground loop coupling (GLC) (U.S. Patent pending)
- Decora compatible wall plate standard
- Modular shielded RJ45 connector
- Not compatible with 500050/51/52/53/54/55/56/57/250/251/252/253

Anixter No.	Vendor No.	Description
420923	500058-WP-US	Component Video/Stereo Audio Wall Plate Balun

Active VGA/Audio Balun Kit

MUXLAB INC

The Active VGA/Audio Balun Kit (500145) allows VGA and stereo or digital audio to be transmitted via cost-efficient unshielded copper twisted-pair cable in a point-to-point configuration. The product also supports RS-232, is DDC-compliant and works in conjunction with MuxLab's IR Emitter (500998) and IR Sensor (500999) to support IR source control. Tx and Rx also sold separately. The product supports up to 1,920x1,200 resolution and features manual brightness, sharpness and skew

MuxLab

adjustments. Applications include: digital signage, residential, boardroom, classroom and medical-imaging video systems.

FEATURES

- Up to 600 ft. (180 m) via Cat 5e/6 @ 1,920x1,200
- Supports analog stereo or digital audio
- Supports RS-232 or IR control
- DDC1/DDC2 (plug-and-play) compliant
- Brightness, sharpness and skew adjustments
- Local VGA/audio monitor output
- Ground loop isolation

Anixter No.	Vendor No.	Description
420945	500145	Active VGA/Audio Balun kit (includes 1 Tx and 1 Rx)

VGA 4x1 Switcher

MUXLAB INC

The VGA 4x1 Switcher allows up to four (4) VGA (RGBHV) sources to be switched to one (1) display via Cat 5e/6 cable for more cost-efficient cabling. The switcher works in conjunction with the Active VGA Balun II (500140) and Active VGA Balun II Transmitter (500141). At least one (1) 500140 is required to support one (1) source and one (1) display. Up to three (3) additional 500141 may be added to support up to three (3) additional sources.

FEATURES

- Auto and Manual switching modes
- Control via: manual, IR, RS-232 and USB
- Plug-and-Play - DDC-compliant
- Remote power up to 150 ft. (46 m)
- Modular RJ45 on input and output
- Supports up to 1,920x1,440, 1080p
- Includes GUI software and IR remote
- Works in conjunction with 500140/141/142
- May be cascaded with VGA 1x4 Hub (500150)

Anixter No.	Vendor No.	Description
420947	500160	VGA 4X1 Switcher, 110 V

Stereo AV/IR Pass-Thru Wall Plate Balun - US

MUXLAB INC

The Stereo AV/IR Pass-Thru Wall Plate Balun (500049-WP-US) allows one (1) composite video, one (1) stereo audio and one (1) IR emitter signal to be transmitted via a single Cat 5e/6 cable in a point-to-point connection. The Stereo AV/IR Pass-Thru Wall Plate Balun features full audio bandwidth response for high-fidelity applications and is Decora compatible. The Stereo AV/IR Pass-Thru Wall Plate Balun works in pairs or in conjunction with the 500048 or 500049. Some of the applications are: classroom video distribution, commercial and home audio/video systems, hospital video training, videoconferencing and video kiosks.

FEATURES

- Video up to 2,200 ft. (670 m) via Cat 5e/6
- Audio up to 3,250 ft. (990 m) via Cat 5e/6
- 20 Hz to 20 kHz audio bandwidth
- IR two-wire emitter pass-thru on fourth twisted pair
- Built-in color-coded cable leads
- Compatible with Decora face plates

Anixter No.	Vendor No.	Description
420948	500049-WP-US	Stereo AV/IR Pass-Thru Wall Plate Balun

MonoPro XLR

MUXLAB INC

The MonoPro XLR (500025, 500026) allows a standard AES analog or digital audio channel to be connected via Cat 5e/6 unshielded twisted-pair cable (UTP) for the professional audio environment. The product features heavy-duty cable strain relief for rugged environments such as rental and staging and is available with male or female locking XLR3 connectors for added cabling versatility. May also be used as a solderless connection point for standard shielded audio cable.

FEATURES

- Line analog audio up to 5,000 ft. (1.5 km) via Cat 5
- Digital audio up to 1,400 ft. (426 m) via Cat 5e/6 UTP
- Wires terminate inside balun
- Locking XLR3 connector
- Heavy-duty cable strain relief
- Supports UTP or STP

Anixter No.	Vendor No.	Description
306927	500025	MonoPro XLR, XLR3M
306928	500026	MonoPro XLR, XLR3F

Stereo Hi-Fi Wall Balun

MUXLAB INC

The Stereo Hi-Fi Wall Balun (500028-WP-US) allows unbalanced line level stereo analog audio to be transmitted via Category 5e/6 unshielded copper twisted pair (UTP) in a point-to-point connection. The product is designed for audio applications where full-range, hi-fidelity audio frequency response is required.

FEATURES

- 20 Hz to 20 KHz bandwidth
- Cost-efficient cabling
- Up to 3,250 ft. (1 km) via Cat 5e/6 UTP
- Quicker moves, adds and changes
- Compatible with Decora face plates

Anixter No.	Vendor No.	Description
448597	500028-WP-US	Stereo Hi-Fi Wall Balun

Quad Audio Wall Balun

MUXLAB INC

The Quad Audio Wall Balun (500033-WP-US) allows up to four (4) analog line audio signals to be transmitted via unshielded twisted-pair (UTP) cable in a point-to-point connection. Used in pairs, the Quad Audio Wall Balun allows up to four (4) coax audio cables to be replaced by one (1) Cat 5e/6 cable. The Quad Audio Balun also works in conjunction with other MuxLab analog audio baluns such as the 500019.

FEATURES

- Cost-efficient cabling - save up to four (4) cables
- 20 Hz to 20 KHz bandwidth for high fidelity
- Analog audio up to 3,250 ft. (1.0 km) via Cat 5e/6
- Compact design for neater wiring
- Compatible with Decora faceplates

Anixter No.	Vendor No.	Description
448600	500033-WP-US	Quad Audio Wall Balun

MuxLab

Passive CCTV Power Integrator Hub 24 V AC

MUXLAB INC

The Passive CCTV Power Integrator Hub allows video, remote power and PTZ control to be transmitted via one Cat 5e/6 cable between the CCTV camera and the DVR/IP encoder in the security video environment. The product features a built-in 16-channel CCTV power supply (350 VA) that supplies 24 V AC or 28 V AC to each CCTV camera. The hub works in conjunction with MuxLab's 500000R, 500009, 500022, 500023, 500024 and 500029 CCTV baluns.

FEATURES

- Built-in 16-channel 350 VA PSU
- Voltage-selector switch per port: 24 V AC or 28 V AC
- Port configuration: power-thru or pass-thru mode
- 2U rack height
- Auto-resettable fuses on each port
- Seamless integration with 500130, 500022, 500024
- Manufacturer's five-year warranty

Anixter No.	Vendor No.	Description
451341	500136-US	Passive CCTV Power Integrator Hub, 24 V AC

Component Video/Analog Audio ProAV Balun

MUXLAB INC

The Component Video/Analog Audio ProAV Balun (500052-Pro) allows one component video (YPbPr or RGB) signal and one combined left/right analog audio signal to be transmitted via one Cat 5e/6 twisted-pair cable for more cost-efficient cabling. The 500052-Pro features Ethercon - RJ45, ruggedized cast-aluminum enclosure and built-in 12-inch (30 cm) heavy-duty A/V cable leads for the demanding professional environment. The 500052-Pro may be used in pairs or in conjunction with other MuxLab component video baluns.

FEATURES

- Supports 1080i/p up to 500 ft. (152 m) via Cat 5e/6
- Supports analog audio on fourth twisted pair
- Ethercon RJ45 connector for cable strain relief
- Ruggedized cast-aluminum enclosure
- Heavy-duty 12-inch (30 cm) built-in cable leads
- Available with RCA or BNC
- Compatible with 500052, 500052-WP

Anixter No.	Vendor No.	Description
448605	500052-PRO-BNC	Component Video/Analog audio ProAV balun, BNC-M
448606	500052-PRO-RCA	Component Video/Analog audio ProAV balun, RCA-M

Component/Composite Video ProAV Balun

MUXLAB INC

The Component/Composite Video ProAV Balun (500056-Pro) allows one component video (YPbPr or RGB) signal plus one composite video signal to be transmitted via one Cat 5e/6 twisted-pair cable for more cost-efficient cabling. The 500056-Pro features Ethercon - RJ45, ruggedized cast-aluminum enclosure and built-in 12-inch (30 cm) heavy-duty A/V cable leads for the demanding professional environment. The 500056-Pro may be used in pairs or in conjunction with other MuxLab component video baluns.

FEATURES

- Supports 1080i/p up to 500 ft. (152 m) via Cat 5e/6
- Supports composite video on fourth twisted pair
- Ethercon - RJ45 connector for cable strain relief
- Ruggedized cast-aluminum enclosure
- Heavy-duty 12-inch (30 cm) built-in cable leads
- Compatible with 500056

Anixter No.	Vendor No.	Description
448607	500056-PRO	Component/Composite Video ProAV Balun

CCTV IP Extender Kit

MUXLAB INC

The CCTV IP Extender Kit (500110) allows any CCTV IP camera to be connected over extended distance via Cat 5e or coax cable. The 500110 supports up to two IP cameras up to 650 ft. (200 m) at 100 Mbps and up to 1 mile (1.6 km) at 25 Mbps.

FEATURES

- Extend distance between IP camera and 10/100BASE-T LAN
- Supports up to two (2) IP cameras
- Via coax or Cat 5e/6 (1 twisted pair)
- Up to 650 ft. (200 m) @ 100 Mbps
- Up to 1 mile (1.6 km) @ 25 Mbps

Anixter No.	Vendor No.	Description
448609	500056-PRO	CCTV IP Extender Kit

HD-SDI Extender Kit

MUXLAB INC

The HD-SDI Extender Kit allows HD-SDI to be transmitted up to 330 ft. (100 m) via Cat 5e cable at all resolutions in a point-to-point configuration. The HD-SDI Extender Kit supports transmission of up to 2.97/3.0 Gbps uncompressed, un-encrypted digital video (optionally including embedded Audio and/or Time Code) within television facilities and between professional video equipment.

FEATURES

- Up to 330 ft. (100 m) via Cat 5e cable
- Up to 400 ft. (122 m) via Cat 6 cable
- Supports SDI-SMPTE 259M-C (270 Mbps) HD-SDI-SMPTE 292M (1.485, 1.485/1.001 Gbps) HD-SDI-SMPTE 424M/425M (2.97/3.0 Gbps)
- LED diagnostics: Sync, SDI detect

Anixter No.	Vendor No.	Description
449997	500700	HD-SDI Extender Kit

Shielded CATV Balun

MUXLAB INC

The Shielded CATV Balun (500306) allows RG-6 coaxial cable to be replaced by Cat 5e/6/7 STP or UTP cable in the terrestrial RF environment. Used in pairs, the Shielded CATV Balun allows broadband CATV equipment to be integrated into a structured cabling system thereby allowing CATV equipment to be moved or added to any convenient modular wall outlet. When used with Cat 5e/6/7 shielded twisted-pair cable, the connection supports greater RF ampliflication and therefore greater distance with less EMI/RFI egress versus other UTP CATV baluns. The Shielded CATV Balun also works in conjunction with MuxLab's CATV Hub (500300/303) for a total cabling solution.

FEATURES

- Bandwidth up to 860 MHz including Internet, digital cable
- Supports Cat 5e/6/7 STP and UTP
- Fits side-by-side on most RF splitters
- Lower EMI /RFI egress when STP is used
- Cast-aluminum enclosure for maximum EMI/RFI shielding
- Low insertion loss

Anixter No.	Vendor No.	Description
450005	500306	Shielded CATV Balun

HDMI 4x4 Cat 5e/6 Matrix Switch

MUXLAB INC

The HDMI 4x4 Matrix Switch (500415) allows up to four (4) different HDMI sources to be connected and/or distributed to up to four (4) HDMI displays via Cat 5e/6 unshielded twisted-pair cables. The product works in conjunction with MuxLab's HDMI IR/Receivers (500407 or 500417) supporting up to 150 ft. (45 m) at 1080p Deep Color via Cat 5e cable.

FEATURES

- HDMI 1.3a 4x4 matrix via two (2) Cat 5e/6
- Control options: Manual, IR, USB, GUI, Web
- Up to 150 ft. (45 m) @ 1080p/8-bit via Cat 5e
- Up to 90 ft. (27 m) @ 1080p/12-bit via Cat 5e
- Supports IR matrix and source control
- Includes four IR emitters plus wireless remote

Anixter No.	Vendor No.	Description
450006	500415	HDMI 4x4 Cat5e/6 Matrix Switch

HDMI IR Receiver with Source Control

MUXLAB INC

The HDMI IR/Receiver with Source Control (500417) allows any HDMI source to be selected via MuxLab's HDMI 4x4 Matrix Switch from the remote display. Also, the product features an IR jack to allow the HDMI source to be controlled. The product supports 1080p Deep Color up to 150 ft. (46 m) via two (2) Cat 6 cables and includes one (1) IR Sensor and one (1) power supply.

FEATURES

- Up to 150 ft. (46 m) @ 1080p Deep Color via Cat 6
- Up to 300 ft. (91 m) @ 1080i via Cat 5e/6
- Connect via two (2) Cat 5e/6 cables
- Includes IR Sensor and handheld remote
- Push-button control

Anixter No.	Vendor No.	Description
450007	500417	HDMI IR Receiver with Source Control

Firetide

Firetide HotPort 7000 MIMO-802.11n Wireless Nodes

FIRETIDE

Firetide HotPort 7000 mesh nodes provide fiber-equivalent throughput and reliability over wireless Ethernet, delivering true wireless infrastructure capabilities for large-scale municipal, public safety, industrial and transportation deployments.

FEATURES

- Fiber-like speed with up to 400 Mbps throughput, exceeding that of current wired solutions such as T1, Fast Ethernet or OC-3 fiber
- Ease of deployment with the self-forming nature of Firetide infrastructure mesh
- Ease of network management and planning with advanced utilities: antenna alignment and integrated spectrum analysis
- Reliable multicast capabilities for real-time evidence-grade video streaming to multiple destinations
- Flexible configuration with operation in 2.4 GHz, 4.9 GHz (U.S. public safety) or 5 GHz frequency bands

HOTPORT 7000 - INDOOR

Anixter No.	Vendor No.	Description
424454	7010	HotPort 7100, indoor MIMO-802.11n capable, dual radio, triband spectrum 2.4 GHz/4.9 GHz/5 GHz, 400 mW, wireless mesh node, includes power supply desktop brick 12 V DC, two-meter North America AC power cable, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas, documentation CD and hardware installation guide; only single radio enabled; second radio enabling requires purchase of SW-7000-RADIO-1; 11n MIMO functionality requires purchase of SW-7000-MIMO license
434819	7010-FIPS	HotPort 7100, indoor MIMO-802.11n capable, FIPS 140-2 NIST compliant, dual radio, tri-band spectrum 2.4 GHz/4.9 GHz/5 GHz, 400 mW, wireless mesh node, includes power supply desktop brick 12 V DC, two-meter North America AC power cable, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas; documentation CD and hardware installation guide; only single radio enabled; second radio enabling requires purchase of SW-7000-RADIO-1; 11n MIMO functionality requires purchase of SW-7000-MIMO license

HOTPORT 7000 - OUTDOOR

Anixter No.	Vendor No.	Description
424457	7020	HotPort 7020, outdoor MIMO-802.11n capable, dual radio, tri-band spectrum 2.4 GHz/4.9 GHz/5 GHz, 400 mW, wireless mesh node, five-meter North America AC power cable, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas, three RJ45 weatherized Ethernet connectors, documentation CD and hardware installation guide; only single radio enabled; second radio enabling requires purchase of SW-7000-RADIO-1; 11n MIMO functionality requires purchase of SW-7000-MIMO license
434818	7020-FIPS	HotPort 7020, outdoor MIMO-802.11n capable, FIPS 140-2 NIST compliant, dual radio, tri-band spectrum 2.4 GHz/4.9 GHz/5 GHz, 400 mW, wireless mesh node, five-meter North America AC power cable, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas, three RJ45 weatherized Ethernet connectors, documentation CD and hardware installation guide; only single radio enabled; second radio enabling requires purchase of SW-7000-RADIO-1; 11n MIMO functionality requires purchase of SW-7000-MIMO license

HOTPORT 7000 SERIES SOFTWARE

Anixter No.	Vendor No.	Description
394208	SW-7000-RADIO-1	7000 Series radio license; electronic license allows user to enable and use the second radio in the Firetide 7000 series product for a single node
424462	SW-7000-MIMO	7000 Series MIMO license allows user to enable and use the MIMO functionality (11n) on the Firetide 7000 series product for a single node

Firetide

Firetide Antenna Assemblies for HotPort 7000 Mesh Nodes

FIRETIDE

Customized antennas designed to work with Firetide 7000 mesh nodes are suited for both outdoor and indoor installations. Customers choose the specific antenna based on the installation requirements, directional or omnidirectional, and frequencies ranging from 4.9 to 6.1 GHz or 2.3 to 2.7 GHz.

FEATURES

- Each antenna contains three active antenna elements capable of transmitting and receiving data
- Antennas are MIMO-aware; the elements are polarized to maximize the MIMO effectiveness
- Antennas are easy to install and replace; wall or pole mountable

90-DEGREE SECTOR ANTENNAS

Anixter No.	Vendor No.	Description
397481	AS90-024-MIMO-13	90-degree sector antenna, BSA MIMO 3x3, 2.3-2.7 GHz, 3x13 dBi gain
424823	AS90-055-MIMO-16-T	Triple-polarized 90-degree sector antenna, BSA MIMO 3x3, 4.9-6.1 GHz, 3x16 dBi gain

120-DEGREE SECTOR ANTENNAS

Anixter No.	Vendor No.	Description
397486	AS120-024-MIMO-11	120-degree sector antenna, BSA MIMO 3x3, 2.3-2.7 GHz, 3x11.5 dBi gain
397845	AS120-055-MIMO-15	120-degree sector antenna, BSA MIMO 3x3, 4.9-6.1 GHz, 3x15 dBi gain

20-DEGREE PATCH ANTENNA

Anixter No.	Vendor No.	Description
403367	AP20-050-MIMO-19	20-degree patch antenna, BSA MIMO 3x3, 4.9-6.1 GHz, 3x19 dBi gain

OMNIDIRECTIONAL ANTENNAS

Anixter No.	Vendor No.	Description
403365	AO-024-MIMO-8	Omnidirectional BSA, MIMO 3x3, 2.3-2.7 GHz
414061	AO-050-MIMO-9	Omnidirectional BSA, MIMO 3X3, 4.9-6.1 GHz, 3x9 dBi gain

Firetide HotPoint 5000 MIMO Access Points

FIRETIDE

Firetide HotPoint 5000 MIMO wireless access points deliver a modular access solution for large-scale, indoor and outdoor wireless networks. Modular design enables full network and software integration of the access points with a Firetide wireless mesh network while at the same time permitting independent physical placement directly connected to a wired network to provide optimal accessibility for Wi-Fi clients.

FEATURES

- Seamless indoor and outdoor operation
- Modular design for integration with a Firetide wireless mesh network
- Single-point network management for mesh and access points with HotView Pro software
- Create logical networks with varying levels of security, access and performance
- Designed for Hot Spots - supports virtual APs and virtual AP groups
- Advanced security and performance features (WPA and WEP encryption)

HOTPOINT 5000 - INDOOR

Anixter No.	Vendor No.	Description
424473	5100	HotPoint 5100 MIMO access point, indoor, includes Firetide MIMO access point (dual radio 802.11 a/b/g/n, 100 mW), AC to DC power adapter with region-specific power cable, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas for staging, one RJ45 Ethernet cable

HOTPOINT 5000 - OUTDOOR

Anixter No.	Vendor No.	Description
424475	5200	HotPoint 5200 MIMO access point, outdoor, includes Firetide MIMO access point (dual radio 802.11 a/b/g/n, 100 mW), pole-mounting bracket, PoE injector, one RJ45 Ethernet cable for staging, one weatherized Ethernet kit, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas for staging

Firetide HotPoint 4100 Access Points

FIRETIDE

Firetide HotPoint 4100 wireless access points deliver a modular access solution for large-scale, indoor and outdoor wireless networks. Modular design enables full network and software integration of the access points with a Firetide wireless mesh network while at the same time permitting independent physical placement directly connected to a wired network to provide optimal accessibility for Wi-Fi clients.

FEATURES

- Seamless indoor and outdoor operation
- Modular design for integration with a Firetide wireless mesh network
- Single-point network management for mesh and access points with HotView Pro software

Firetide

- Create logical networks with varying levels of security, access and performance
- Designed for Hot Spots - supports up to four virtual APs and virtual AP groups
- Advanced security and performance features (WPA and WEP encryption)
- High-power radios with up to 400 mW provide extended reach and penetration

HOTPOINT 4100 - INDOOR

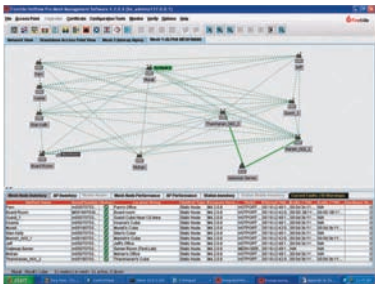
Anixter No.	Vendor No.	Description
384861	4100	Hotpoint 4100 access point, indoor, includes Firetide access point (802.11 b/g, up to 400 mW), AC/DC power-supply adapter, kit of international plugs - USA, EU, UK, AUS, two 2.4 GHz 5 dBi antennas, management software

HOTPOINT 4200 - OUTDOOR

Anixter No.	Vendor No.	Description
384360	4200	Hotpoint 4200 access panel, outdoor, (802.11b/g.400 mW), integrated panel antenna, PoE injector with North America AC power cable, pole-marking bracket, management software

Firetide HotView Pro Management Software

FIRETIDE



HotView Pro provides centralized management and control of single or multiple Firetide mesh networks with an intuitive Web-based user interface. It is a sophisticated, yet simple-to-use platform for configuring, monitoring and managing HotPort mesh nodes, HotPoint access points and HotClient Customer Premises Equipment (CPEs).

FEATURES

- Unique flow control, traffic prioritization and network management capabilities
- Ethernet Direct - allows interconnection with a 100 Mbps wired connection to reduce hop counts
- Mesh bridge integration - connect multiple mesh networks into a single environment
- End-to-end security - AES 128 or 256, WPA2 and/or WEP at 104/128 or 40/64 bits
- Unmatched mobility - real-time video from moving vehicles with seamless roaming
- Highly flexible real-time mesh network management
- Intuitive GUI interface
- Single-point management of mesh and access products

ELECTRONIC LICENSES

Anixter No.	Vendor No.	Description
384862	3000-9000-ELE-10	HotView Pro mesh management software, electronic license is per 10 nodes managed (integrated HotPort mesh and HotPoint access point or stand-alone HotPoint access point)
333051	3000-9000-ELE	HotView Pro mesh management software, electronic license is per 30 nodes managed (integrated HotPort mesh and HotPoint access point or stand-alone HotPoint access point)

CONTROLLERS

Anixter No.	Vendor No.	Description
448365	FWC 1000	WLAN controller for 50 access points, includes four 10/100/1000 Mbps ports, one Ethernet RJ45 cable, power supply desktop brick 12 V DC, one 2-meter North America AC power cable
448364	FWC 2000	Rack-mountable WLAN controller for 50 access points, supports scaling up to 150 with stacking of three controllers, includes four 10/100/1000 Mbps ports, one Ethernet RJ45 cable, power supply desktop brick 12 V DC, one 2-meter North America AC power cable
448366	FMC 2000	Mobility controller for mobility up to 64 meshes, four 10/100/1000 Mbps ports, one Ethernet RJ45 cable, power supply desktop brick 12 V DC, one 2-meter North America AC power cable

Firetide

Firetide HotClient 2100 Customer Premises Equipment (CPE)

FIRETIDE

Firetide HotClient 2100 customer premises equipment (CPE) provides a secure and reliable solution for extending the reach of outdoor wireless mesh networks indoors. HotClient CPE enables network operators deploying municipal and enterprise wireless networks the ability to maintain optimal user experience and connectivity anywhere.

FEATURES

- Works indoors and outdoors with excellent wireless connectivity
- Centralized management via HotView Pro Network Management Software
- Ability to configure and enforce service level agreements (SLA)
- RADIUS server management
- Built-in standards-based security features including: WEP2, AES 128/256, RADIUS, SSID, MAC access control, NAT, VLAN and digital certificates

HOTCLIENT 2100 - INDOOR

Anixter No.	Vendor No.	Description
362296	2100	HotClient 2100 customer premises equipment, indoor, includes Firetide CPE (802.11 b/g, 400 mW), AC/DC power supply adapter, kit of international plugs - USA, EU, UK, AUS, two 2.4 GHz 5 dBi antennas, management software

HOTCLIENT 2200 - OUTDOOR

Anixter No.	Vendor No.	Description
362300	2200	HotClient 2200 customer premises equipment, outdoor, includes Firetide CPE (802.11 b/g, 400 mW) with integrated panel antenna, PoE injector with North America AC power cable, pole-mounting bracket, management software

Firetide Point-to-point Wireless Bridge

FIRETIDE

Firetide FWB-100 outdoor wireless Ethernet bridges provide low-cost, high-capacity connectivity between two locations. FWB-100 is software-configurable for 2.4, 5 and 4.9 GHz and achieves up to 35 Mbps of throughput. Deployed as a stand-alone solution, the FWB-100 link is managed via a browser-based management interface.

FEATURES

- Point-to-point connectivity between two locations
- Shipped preconfigured for an easy "out-of-the-box" installation experience
- Browser-based management interface
- Antenna alignment tool for maximum signal quality
- WPA2 - PSK (Wi-Fi Protected Access) encryption

Anixter No.	Vendor No.	Description
418535	FWB-105	Firetide outdoor wireless bridge includes a pair of FWB-102 wireless nodes (2.4, 5 and 4.9 GHz capable 400 mW) bundled with two outdoor 5/4.9 GHz 23 dBi panel antennas, a pair of PoE injectors with North America AC power cable, pair of pole-mounting brackets, http-based management

Firetide

Firetide Point-to-point MIMO Wireless Bridge

FIRETIDE

Firetide FWB-205 outdoor wireless Ethernet bridges provide low-cost, high-capacity connectivity between two locations. FWB-205 is software-configurable for 2.4, 5 and 4.9 GHz and achieves up to 150 Mbps of throughput. Deployed as a stand-alone solution, the FWB-205 link is managed via HotView Pro or a browser-based management interface.

FEATURES

- Point-to-point connectivity between two locations
- Shipped preconfigured for an easy "out-of-the-box" installation experience
- Browser-based management interface
- Antenna alignment tool for maximum signal quality
- WPA2 - PSK (Wi-Fi Protected Access) encryption

Anixter No.	Vendor No.	Description
424467	FWB-205	Firetide MIMO Outdoor Wireless Bridge - bundled with panel antenna. Includes a pair of FWB205 wireless nodes (5 and 4.9 Ghz-capable 400 mW), a pair of PoE injectors, a pair of RJ45 Ethernet cables, a pair of AP20-050-MIMO-19 antenna with six CB-015-N antenna cables; http-based management

Firetide IVS-100 Integrated Video Solution - Exclusively Available Through Anixter

FIRETIDE

Incorporating a Firetide HotPort wireless mesh node, IP camera or analog video camera with an encoder, and optional storage, the system simplifies integration and installation of video-surveillance projects. Designed for rapid deployment, the Firetide IVS-100 delivers wireless connectivity, real-time video and edge-of-network storage in a single form factor.

FEATURES

- Ethernet, fiber and/or wireless mesh connectivity
- High-powered wireless radios: 2.4, 4.9 (U.S. public safety licensed band) and 5 GHz
- Option of either an IP or analog camera
- Optional blue light for added visibility
- Improved aesthetics of video-surveillance deployments

The Firetide IVS-100 is sold exclusively through us!
Contact your local sales representative for product configuration.

Firetide Mounting Solutions

FIRETIDE

Anixter No.	Vendor No.	Description
333071	3100-5101	HotPort 3000 and HotPoint 4500 family indoor-mounting kit for wall, upright, ceiling and office panel (cubicle) installation, 10 machine screws
367188	MT-6100	HotPort 6100 family indoor-mounting kit for wall, upright, ceiling and office panel installation, 10 machine screws

Firetide

Firetide Antenna Assemblies

FIRETIDE

Firetide antenna assembly kits are available in 2.4 GHz, 5.1 to 5.8 GHz and 4.9 GHz public-safety versions, omnidirectional, panel/patch and 90-degree sector antenna configurations, providing antenna solutions to meet the needs of your deployment.

FEATURES

- Firetide-certified antenna assembly
- Outdoor antennas are unobtrusive so they blend with any environment
- Sturdy attachment solutions with precise adjustments for optimal antenna performance
- Applicable for 2.4 GHz, 5.1 to 5.8 GHz, and 4.9 GHz public-safety deployments
- Includes 1.5 meter LMR-400 cable, lightning suppressor and mounting solution
- Omnidirectional, panel/patch and 90-degree sector configurations available
- Indoor and outdoor configurations

OMNIDIRECTIONAL ANTENNAS

Anixter No.	Vendor No.	Description
344681	AO-050-N	4.9 to 5.8 GHz omnidirectional antenna with 10 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and pole-mount bracket
403369	AO-900-8	900 MHz omnidirectional antenna, 8 dBi gain
333063	4000-1111	2.4 GHz omnidirectional antenna with 7.5 dBi gain, N-type connector, (for HotPoint APs only)

PANEL ANTENNAS

Anixter No.	Vendor No.	Description
344687	AP-050-N	4.9 to 5.8 GHz subscriber panel antenna with 23 dBi gain (21 dB gain for 4.9 - 5.1), 1.5 meter LMR400 cable, lightning suppressor with N-type connector and Az/El adjustable mount
403370	AP40-900-12	900 MHz 12 dBi panel antenna (43 x 42 degree beamwidth)

SECTOR ANTENNAS

Anixter No.	Vendor No.	Description
344730	AS-024-N	2.4 to 2.7 GHz 90-degree sector antenna with 15.5 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and tilt mount
344733	AS-050-N	4.9 to 5.8 GHz 90-degree sector antenna with 16 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and elevation-adjustable mount

ANTENNA CABLE ASSEMBLIES

Anixter No.	Vendor No.	Description
367407	CB-015-N	Antenna cable assembly, 1.5 meter LMR400 with lightning suppressor, N-type connector
434821	CB-015-N-MIMO	MIMO antenna cable assembly for 5200 and 7020, 3-in-1 bundled 1.5 meter LMR-400 cables with integrated lightning suppressor, N-type connector
344735	CB-050-N	Antenna cable assembly, 5 - meter LMR400 with lightning suppressor, N-type connector

Firetide Cable Assemblies

FIRETIDE

Anixter No.	Vendor No.	Description
333066	3200-2102	Single Ethernet transition cable with watertight Ethernet connector, 2 meters
333067	3200-2103	10-meter power cable, HotPort 3200, 6200, 7020 series, DC to DC
333068	3200-2104	30-meter power cable, HotPort 3200, 6200 and 7020 series, DC to DC

Firetide Power Sources and Cables

FIRETIDE

Anixter No.	Vendor No.	Description
367412	CB-030-P	4600 Series outdoor-rated 30 meter PoE cable that connects the 4600 to HotPort
344736	PO-010-N	7000 Series outdoor-rated 10 meter North America AC power cable

Verint

Nextiva S4100 (Wireless)

VERINT VIDEO SOLUTIONS INC

Wireless video encoder/transmitter and decoder/receiver for point-to-point outdoor applications.

FEATURES

- Two units: encoder/transmitter and decoder/receiver
- Transmits over 2.4 or 5 GHz wireless band or 4.9 GHz U.S. or Canada public-safety band
- MPEG-4-based video up to 4CIF/30 fps, with optimal bandwidth utilization
- Compact, weatherproof enclosure: Ideal for outdoor, point-to-point applications
- Built-in, multiband antenna for software-based frequency change
- Eliminates the need to install separate encoders and wireless transmitters
- More than double the capacity of previous devices, with improved bandwidth utilization and image quality

Anixter No.	Vendor No.	Description
362718	S4100	Wireless point-to-point system
363427	S4100-49	Wireless point-to-point system for 4.9 GHz band
362713	S4100-2V	Wireless point-to-point system with two video outputs
368627	S4100-2V-49	Wireless point-to-point system with two video outputs for 4.9 GHz band

Nextiva S4200 (Wireless)

VERINT VIDEO SOLUTIONS INC

Video encoding and wireless transmission for point-to-multipoint outdoor applications.

FEATURES

- Wireless video encoder/transmitter in a single, compact, weatherproof enclosure
- Ideal for outdoor, point-to-multipoint applications when used with the Nextiva S4300 access point
- Connect up to 24 transmitters per access point, reducing equipment and installation costs
- Transmits over 2.4 or 5 GHz wireless band or 4.9 GHz U.S. or Canada public-safety band
- MPEG-4 based video up to 4CIF/30 fps, with optimal bandwidth utilization
- Camera-tampering detection and optional embedded video analytics
- More than double the capacity of previous devices, with improved bandwidth utilization and image quality

Anixter No.	Vendor No.	Description
362719	S4200	Wireless point-to-multipoint transmitter
363429	S4200-49	Wireless point-to-multipoint transmitter for 4.9 GHz band
362720	S4200-2V	Wireless point-to-multipoint transmitter with two video outputs
368631	S4200-2V-49	Wireless point-to-multipoint transmitter with two video outputs for 4.9 GHz band

Nextiva S4300 (Wireless)

VERINT VIDEO SOLUTIONS INC

Wireless access point for point-to-multipoint outdoor applications.

FEATURES

- Wireless access point for outdoor, point-to-multipoint applications
- Uses license-free 2.4 or 5 GHz wireless band or the licensed 4.9 GHz U.S. or Canada public-safety band
- Connect up to 24 Nextiva S4200 wireless transmitters per access point, reducing equipment and installation costs
- Up to 28 Mbps capacity, with superior image quality, optimized bandwidth utilization, and failover for high availability
- Simplified installation, with built-in wireless site survey tools and optional Power over Ethernet (PoE)

Anixter No.	Vendor No.	Description
362721	S4300-POE	Outdoor wireless access point, PoE
363430	S4300-POE-49	Outdoor wireless access point for 4.9 GHz, PoE

SmartLink-4000-5G (Wireless)

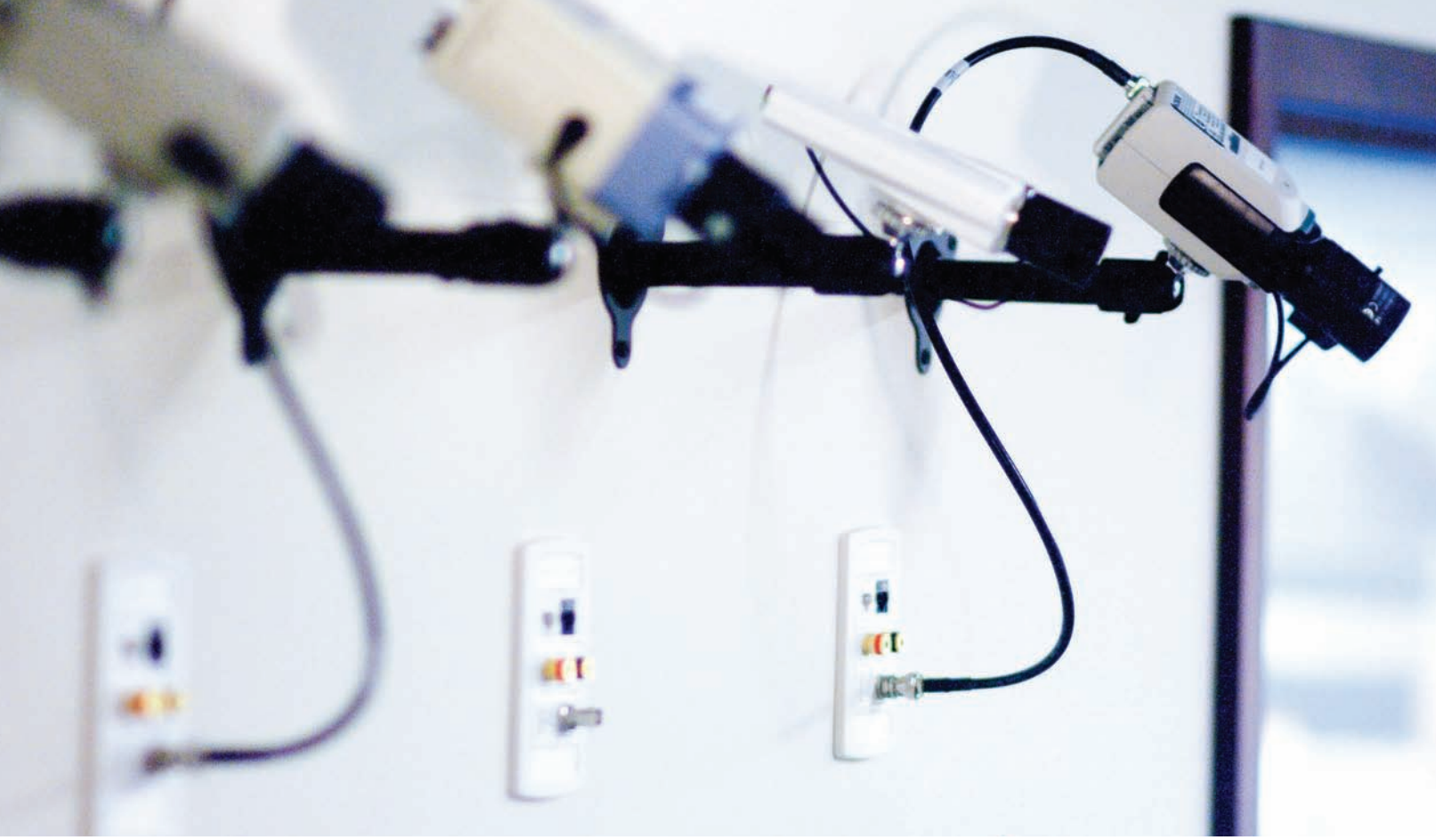
VERINT VIDEO SOLUTIONS INC

Wireless point-to-point and point-to-multipoint applications for up to four cameras for a complete end-to-end solution. These packages are easily expandable if extra cameras are needed.

FEATURES

- SmartLink-4000-5G contains S4100 and all required accessories for plug-and-play viewing
- SmartAccess-4000-3 for three-camera applications containing 3-S4200, 1-S4300, 3-S1970e-R and all required accessories for viewing in an analog setting
- SmartAccess-4000-4 for four-camera applications containing 4-S4200, 1-S4300, 4-S1970e-R and all required accessories for viewing in an analog setting
- Video encoding and transmission over the 2.4 and 5 GHz band using a built-in antenna with a video performance at 40CIF/30 fps in any environment

Anixter No.	Vendor No.	Description
362724	SMARTACCESS-4000-3	Wireless point-to-multipoint application for three cameras
362725	SMARTACCESS-4000-4	Wireless point-to-multipoint application for four cameras



Infrastructure Matters.

The wrong cabling infrastructure can hinder the performance of even the most sophisticated video surveillance system.

Factors that affect the performance of cabling infrastructure include:

- The migration of a security system to IP
- Minimally compliant Category 5e cable
- Increasing bandwidth requirements
- The need for Power over Ethernet Plus and beyond
- Installation practices
- Environmental conditions
- Quality of IP cable manufacturing

THE LAB
ANIXTER'S INFRASTRUCTURE SOLUTIONS LAB

Anixter works with only industry leading manufacturers and regularly tests our inventory in our Infrastructure Solutions Lab to ensure you receive the highest quality solutions.

Make sure you're getting the best infrastructure to support your applications for today and beyond. Ask your Anixter sales representative today to help you select the right products for your needs.

For more information about our Infrastructure Solutions Lab or on-site training, contact your local Anixter sales representative at 1.800.ANIXTER.

Products. Technology. Services. Delivered Globally.

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Anixter is a leading global supplier of communications and security products, electrical and electronic wire and cable, fasteners and other small components. We help our customers specify solutions and make informed purchasing decisions around technology, applications and relevant standards. Throughout the world, we provide innovative supply chain management solutions to reduce our customers' total cost of production and implementation.