Analog Video over Fiber

Video Multiplexers

INTERLOGIX

Interlogix offers a complete line of analog and digital video multiplexers - from two 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 separatel, which is found in the Accessories section.) Add 'C' for conformal 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)

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	MM, transmitter, 1F
304116	VT7420-R3	MM, transmitter, 1F, rack-mount
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

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-mount
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

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-mount
243543	VT71630-R3	SM, transmitter, 1300/1550 nm, 1F, rack-mount
243544	VR71630-R3	SM, receiver, 1300/1550 nm, 1F, rack-mount

Analog Video over Fiber

S700V and S702V Video-transmission System

INTERLOGIX

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

- 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

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 unique SMARTS Technology.

FEATURES

- 8-bit digital video transmission
- SMARTS built-in diagnostics
- Optical budget: 13 dB MM; 18 dB SM
- Operates up to 37 miles (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

S707V 4-channel Digital Video Multiplexer System

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.

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
- 500 TV lines resolution
- 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

Analog Video over Fiber

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. 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
- 10-bit digital encoding
- 500 TV lines resolution
- Color or monochrome
- SMARTS diagnostics
- Optical automatic gain control
- Solid-state short-circuit protection

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

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 - 2.0 KM

Anixter No.	Vendor No.	Description
258316	RTM-30	MM "3-up" rack-mount transmitter
258317	RRM-30	MM "3-up" rack-mount receiver

1300 NM

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

Analog Video over Fiber

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

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, RS-170A, RS-343A, 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 - 2.0 KM

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

1300 NM

Anixter No.	Vendor No.	Description
258429	RTM-300	MM transmitter rack card 7.0 km
258430	MTM-300	MM transmitter module 7.0 km
258431	MTM-300S	SM transmitter module 24.0 km
258432	RTM-300S	SM transmitter rack card 24.0 km
258433	MRM-300S	SM receiver module 24.0 km
258445	RRM-300S	SM receiver rack card 24.0 km
258446	RRM-300	MM receiver rack card 7.0 km
258447	MRM-300	MM receiver module 7.0 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, RS-170A, RS-343A, 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 transmitter module
258451	RT-404C	MM transmitter rack card
258452	MR-404C	MM receiver module
258453	RR-404C	MM receiver rack card

5.0 KM SYSTEM

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

25 KM SYSTEM

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

Analog Video over Fiber

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, RS-170A, RS-343A, PAL, CCIR standards
- Compatible with 500 Series audio/data modulators and demodulators
- Single-mode and multimode versions
- Universal power input (85-264 V AC)
- 1300 nm

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

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	Video transmitter, coax BNC to 850 nm, multimode, ST, 1 km
324801	J/VD-TX-01-SC	Video transmitter, coax BNC to 850 nm, multimode, SC, 1 km
324804	J/VD-TX-01-SM	Video transmitter, coax BNC to 1310 nm, single-mode, ST, 10 km
324799	J/VD-RX-01	Video receiver, coax BNC to 850 nm, multimode, ST, 1 km
324802	J/VD-RX-01-SC	Video receiver, coax BNC to 850 nm, multimode, SC, 1 km
324805	J/VD-RX-01-SM	Video receiver, coax BNC to 1310 nm, single-mode, ST, 10 km

Video Transmission Kit

INTERLOGIX

The Interlogix 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, 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 (-40º to + 74ºC)

Anixter No.	Vendor No.	Description
243512	FP1101	MM, 850 nm, 1F, fixed video
303850	FP6010	MM, 4-channel video transmission kit, 1F

Data over Fiber

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/RS-422 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	Small size
420764	FDX51M2	Stand-alone or rack-mount

Data Transmission

INTERLOGIX

Interlogix offers a complete line of analog and digital data transmission products for RS-232; RS-422; and RS-485 (2-wire or 4-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 nm/1300 nm, 1F (side A)
303702	D1010WDMB	MM, 1300 nm/850 nm 1F (side B)
243548	D1020	MM, 1300 nm, 2F
243549	D1025	SM, 1300 nm, 2F
303704	D1030	SM, 1310 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 (2-WIRE) POINT-TO-POINT TRANSCEIVERS

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

RS-485 (2-WIRE) DROP-AND-REPEAT TRANSCEIVERS

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

RS-485 (4-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

Data over Fiber

RS-485 (4-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, 2- OR 4-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

Full-duplex Data Multiplexer

INTERLOGIX

The Interlogix 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

- 8-channel transceivers
- Transparent to data encoding
- Automatic resettable solid-state current limiters
- Data rates up to 115 kbps
- 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
- Hot-swappable rack modules
- Distances up to 37 miles (60 km)

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

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

Data over Fiber

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: (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.

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

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 the 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

Analog Video and Data over Fiber

Video Multiplexer

INTERLOGIX

Interlogix offers a complete line of analog and digital video multiplexers - from two 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, as found in the accessories section) Add 'C' for conformal 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)

4-CHANNEL DIGITAL MULTIPLEXER, SM WITH 2 BI-DIRECTIONAL DATA VIA RS-232, RS-422, RS-485, 2- OR 4-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, 2 BI-DIRECTIONAL DATA VIA RS-232, RS-422, RS-485, 2- OR 4-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

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

- 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

4-CHANNEL

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

8-CHANNEL

Anixter No.	Vendor No.	Description
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

Analog Video and Data over Fiber

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.

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	8-channel video, transmitter and receiver
420750	COMPAK812M1	8-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)

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

INTERLOGIX

The S734DV and S7734DV Video Multiplexers provide 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
- One- or two-fiber links available

Analog Video and Data over Fiber

- Compatible with all major Up-the-Coax control systems, including: American Dynamics, Baxall, Burle, Elbex, 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

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

MULTIMODE

Anixter No.	Vendor No.	Description
273590	S731DVT-EST1	1-fiber link, 850/1300 nm, transmitter
342213	S731DVR-EST1	1-fiber link, 850/1300 nm, receiver
273592	S731DVT-EST2	2-fiber link, 850 nm, transmitter
342215	S731DVR-EST2	2-fiber link, 850 nm, receiver

SINGLE-MODE

Anixter No.	Vendor No.	Description
273594	S7731DVT-EST1	1-fiber link, 1310/ 1550 nm, transmitter
342214	S7731DVR-EST1	1-fiber link, 1310/1550 nm, receiver
273595	S7731DVT-EST2	2-fiber link, 1310 nm, transmitter
342217	S7731DVR-EST2	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

MULTIMODE

Anixter No.	Vendor No.	Description
273585	S732DVT-EST1	1-fiber link, 850/1300 nm, transmitter
342219	S732DVR-EST1	1-fiber link, 850/1300 nm, receiver
273586	S732DVT-EST2	2-fiber link, 850 nm, transmitter
342220	S732DVR-EST2	2-fiber link, 850 nm, receiver

SINGLE-MODE

Anixter No.	Vendor No.	Description
342224	S7732DVT-EST1	1-fiber link, 1310/ 1550 nm, transmitter
342225	S7732DVR-EST1	1-fiber link, 1310/1550 nm, receiver
273588	S7732DVT-EST2	2-fiber link, 1310 nm, transmitter
342222	S7732DVR-EST2	2-fiber link, 1310 nm, receiver

Analog Video and Data over Fiber

Video Transmission Kit

INTERLOGIX

The Interlogix 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, 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
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

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 AFI
- Real-time video transmission
- Full-color transmission
- Diagnostic indicators for video, power and optical presence
- Compatible with NTSC, RS-170A, RS-343A, AL, CCIR standards
- Compatible with Baxall, Betatech, Molynx, 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)
- Includes 5.0 km system

4-CHANNEL

Anixter No.	Vendor No.	Description
258390	MTX-8423C	Transmitter Manchester code
258391	MRX-8423C	Receiver Manchester code
258392	MTX-8485C	Transmitter RS-422 code
258393	MRX-8485C	Receiver RS-422 code

8-CHANNEL

Anixter No.	Vendor No.	Description
258394	MRX-8823C	Receiver Manchester code
258395	MTX-8823C	Transmitter Manchester code
258396	MTX-8885C	Transmitter RS-422 code
258397	MRX-8885C	Receiver RS-422 code

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 (2- or 4-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

- Diagnostic indications (LEDs): video, DC power, data activity, digital frame sync and optical presence
- Full-color, real-time video transmission
- Serial digital transmission

Analog Video and Data over Fiber

- 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

MULTIMODE

Anixter No.	Vendor No.	Description
370795	MT-946	Stand-alone transmitter, 2 km
370796	RT-946	Rack-card transmitter, 2 km
370799	MR-946	Stand-alone receiver
370802	RR-946	Rack-card receiver

SINGLE-MODE

Anixter No.	Vendor No.	Description
370803	MT-946SL	Stand-alone transmitter, 40 km
370805	RT-946SL	Rack-card transmitter, 40 km
370807	MR-946SL	Stand-alone receiver
370808	RR-946SL	Rack-card receiver

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 RS-20/2 American 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, Pelco, Philips, Sensormatic, Synectics, Vicon and other control suppliers
- Compatible with NTSC, RS-170A, RS-343A, 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
- Includes 2.5 km system

WITH MANCHESTER CODE

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

WITH RS-422

Anixter No.	Vendor No.	Description
258409	MTM-1400	MM video transmitter module
258410	RTM-1400	MM video transmitter rack card
258423	RRM-1400	MM video receiver rack card
258424	MRM-1400	MM video receiver module

WITH RS-485

Anixter No.	Vendor No.	Description
258411	MTM-1485	MM video transmitter module
258412	RTM-1485	MM video transmitter rack card
258421	RRM-1485	MM video receiver rack card
258422	MRM-1485	MM video receiver module

WITH UP-THE-COAX CODE

Anixter No.	Vendor No.	Description
339166	MTM-1605	MM video transmitter module
339167	RTM-1605	MM video transmitter rack card
339172	RRM-1605	MM video receiver rack card
339173	MRM-1605	MM video receiver module

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

Analog Video, Data and Audio over Fiber

S768DAV Two-way Video, Audio and Data

INTERLOGIX

The links that compise 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 S768AV 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 percent and phase 1.5 percent
- Data rate: 19.2 kbps
- THD < 1 percent; 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	Audio and data transmitter
220509	245B-R	Audio and data receiver

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

MULTIMODE

Anixter No.	Vendor No.	Description
273573	S764DAVT-RST1	1-fiber link, 850/1300 nm, transmitter
342226	S764DAVR-RST1	1-fiber link, 850/1300 nm, receiver
273574	S764DAVT-RST2L	2-fiber link, 1310 nm, transmitter
342227	S764DAVR-RST2L	2-fiber link, 1310 nm, receiver

SINGLE-MODE

Anixter No.	Vendor No.	Description
273575	S7764DAVT-RST1	1-fiber link, 1310/ 1550 nm, transmitter
342228	S7764DAVR-RST1	1-fiber link, 1310/1550 nm, receiver
273576	S7764DAVT-RST2	2-fiber link, 1310 nm, transmitter
342229	S7764DAVR-RST2	2-fiber link, 1310 nm, receiver

Analog Video, Data and Audio over Fiber

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. Interlogix's unique 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
- Local or remote user-configurable data format
- Relay/contact closure - one duplex channel closure

MULTIMODE

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

SINGLE-MODE

Anixter No.	Vendor No.	Description
273580	S7751DAT-RST1	1-fiber link, 1310/ 1550 nm, transmitter
342343	S7751DAR-RST1	1-fiber link, 1310/1550 nm, receiver

Audio over Fiber (Including Voice/POTS)

Telephony Transmission

INTERLOGIX

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

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

Audio Transmission

INTERLOGIX

Interlogix 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)

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

Ethernet over Fiber

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

- 10/100BASE-T/TX electrical port
- 100BASE-FX optical port
- Designed for installation in benign (0º to + 60º C) 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
420728	CNFE1MCM B	ValueLine 10/100 Mbps Ethernet media converter

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 (10/100BASE-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. 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 (CWFE100XPOEHO Series)
- SC or ST optical connectors available
- Five-year warranty

Anixter No.	Vendor No.	Description
448466	CWFE1003POEM-M	With PoE—SC—MM
448467	CWFE1003POES-M	With PoE—SC—SM
448468	CWFE1005POEM-M	With PoE—ST—MM
448469	CWFE1005POES-M	With PoE—ST—SM

Ethernet over Fiber

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
269844	CPSMC0800-100	8-slot Point System chassis
249803	CPSMC1300-100	13-slot Point System chassis
249729	CPSMC1900-100	19-slot Point System chassis
231557	CPSMC0100-200	Single-slot Point System chassis
249804	CPSMC0200-200	Dual-slot Point System chassis
251332	CPSMP-120	Redundant power supply, 120/240 V AC for CPSMC1300-100
284293	CPSMP-180	Redundant power supply, 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 ZA-32/62CL

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

DUAL-STRAND FAST ETHERNET CONVERTER MODULES - 100BASE-TX RJ45 TO 100BASE-FX

Anixter No.	Vendor No.	Description
391000	CFETF1011-205	1300 nm, multimode, ST, 2 km
277828	CFETF1013-205	1300 nm, multimode, SC, 2 km
433922	CFETF1039-205	1300 nm, multimode, LC, 2 km
260653	CFETF1014-205	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, SC 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

Ethernet over Fiber

Anixter No.	Vendor No.	Description
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

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

Anixter No.	Vendor No.	Description
284712	CRS2F3111-100	RS-232 with remote management DB9 to 1300 nm, multimode, ST, 2 km
284730	CRS2F3114-100	RS-232 with remote management DB9 to 1310 nm, single-mode, SC, 20 km
282279	CRS4F3111-100	RS-422/485 DB9 to 1300 nm, multimode, ST, 2 km
282281	CRS4F3114-100	RS-422/485 DB9 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

Hardened 10/100 Media Converters

INTERLOGIX

Interlogix 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

- 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

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

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	10/100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km
326710	M/E-PSW-FX-01-SC	10/100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km
326711	M/E-PSW-FX-01-SM	10/100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km
379139	M/GE-PSW-SX-01	10/100/1000BASE-T to 1000BASE-SX, 850 nm, multimode, SC, 220 m
379175	M/GE-PSW-LX-01	10/100/1000BASE-T to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km

Ethernet over Fiber

10/100 Mbps Ethernet Optical Transceiver

INTERLOGIX

The Interlogix D7100 Series Ethernet transceiver is designed to transmit and receive 10 or 100 Mbps data over multimode or single-mode fiber. The Interlogix 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

- 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

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

Hardened Unmanaged 3-port Switch

INTERLOGIX

Interlogix 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 series are available in any combination of electrical or optical ports. They are environmentally hardened to operate in extreme temperatures. 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

- 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 for remote alarm sensing
- IEEE 802.3 compliant

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

Hardened Ethernet to Fiber Media Converters

INTERLOGIX

Interlogix 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

Ethernet over Fiber

100 meters. The series is environmentally hardened to operate in extreme temperatures, -40°C to +74°C. 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 versions 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)
- 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
- SC optical connectors standard
- No in-field optical adjustments required
- Power, transmit and receive data status LED indicators
- Loss of optical link contact closure
- IEEE 802.3 compliant

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

INTERLOGIX

Interlogix's 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. The DE7300 is environmentally hardened to operate in extreme temperatures. 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

- 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

Ethernet over Fiber

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

INTERLOGIX

The Interlogix 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

- 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

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

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
- Automatic polarity correction
- Switch-selectable crossover
- Optical budget 13 dB
- Optical automatic gain control (OAGC)
- SMARTS diagnostics

MULTIMODE

Anixter No.	Vendor No.	Description
273597	S714DT-EST1	1-fiber link, 850/1300 nm, transmitter
342350	S714DR-EST1	1-fiber link, 850/1300 nm, receiver
273598	S714D-EST2	2-fiber link, 850 nm, transceiver
273599	S714D-EST2L	2-fiber link, 1300 nm, transceiver

SINGLE-MODE

Anixter No.	Vendor No.	Description
273600	S7714DT-EST1	1-fiber link, 1310/1550 nm, transmitter
342354	S7714DR-EST1	1-fiber link, 1310/1550 nm, receiver
273601	S7714D-EST2	2-fiber link, 1310 nm, transceiver

Ethernet over Fiber

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 with 100BASE-TX RJ45 to 100BASE-FX connections.

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

Anixter No.	Vendor No.	Description
284527	E-100BTX-FX-05-HT	With 1300 nm, multimode, ST, 2 km
284530	E-100BTX-FX-05-SCHT	With 1300 nm, multimode, SC, 2 km
284532	E-100BTX-FX-05-SMHT	With 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	1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m
333559	SGETF1014-110	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
333562	SGETF1024-110	1000BASE-T RJ45 to 1000BASE-SX, 1310 nm, extended multimode, SC, 2 km
333563	SGETF1029-110	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm TX/1550 nm RX, single-fiber, single-mode, SC 20 km
333565	SGETF1029-111	1000BASE-T RJ45 to 1000BASE-LX, 1550 nm TX/1310 nm RX, single-fiber, single-mode, SC 20 km

Ethernet over Fiber

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	10/100/1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m
373495	SGFEB1014-120	10/100/1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
268667	SGFEB1024-120	10/100/1000BASE-T RJ45 to 1000BASE-SX, 1310 nm, extended multimode, SC, 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 - AC POWERED 100BASE-TX RJ45 TO 100BASE-FX

Anixter No.	Vendor No.	Description
285061	SFEPE1011-100	1300 nm, multimode, ST, 2 km
285062	SFEPE1013-100	1300 nm, multimode, SC, 2 km
285063	SFEPE1014-100	1310 nm, single-mode, SC, 20 km
285064	SFEPE1011-110	1300 nm, multimode, ST, 2 km
285065	SFEPE1013-110	1300 nm, multimode, SC, 2 km
285067	SFEPE1014-110	1310 nm, single-mode, SC, 20 km

10/100 BRIDGING POWER OVER ETHERNET MEDIA CONVERTERS - 10/1000BASE-TX TO 100BASE-FX

Anixter No.	Vendor No.	Description
330092	SPOEB1011-100	1300 nm, multimode, ST, 2 km
330093	SPOEB1013-100	1300 nm, multimode, SC, 2 km
330094	SPOEB1014-100	1310 nm, single-mode, SC, 20 km

10/100/1000 BRIDGING POWER OVER ETHERNET MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
379289	SGPOE1013-100	10/100/1000BASE-T to 1000BASE-SX, 850 nm, multimode, SC, 200 m
379290	SGPOE1014-100	10/100/1000BASE-T to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
379288	SGPOE1040-100	10/100/1000BASE-T to 100/1000BASE-X SFP slot (empty)
379291	SGPOE1040-110	10/100/1000BASE-T to two 100/1000BASE-X SFP slots (empty)

10/100/1000 POWER OVER ETHERNET PLUS MEDIA CONVERTER

Anixter No.	Vendor No.	Description
491023	SGPAT1013-100	10/100/1000BASE-T to 1000BASE-SX multimode, 850 nm SC
517283	SGPAT1014-100	10/100/1000BASE-T to 1000BASE-LX single-mode, 1310 nm SC
517284	SGPAT1039-100	10/100/1000BASE-T to 1000BASE-SX multimode, 850 nm LC
517285	SGPAT1019-100	10/100/1000BASE-T to 1000BASE-LX single-mode, 1310 nm LC

Ethernet over Fiber

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, multimode, LC, 220 m
313700	TN-SFP-LX1	1000BASE-LX, 1310 nm, single-mode, LC, 10 km
313701	TN-SFP-LX3	1000BASE-LX, 1310 nm, single-mode, LC, 30 km
313702	TN-SFP-LX5	1000BASE-LX, 1550 nm, single-mode, LC, 50 km
313703	TN-SFP-LX8	1000BASE-LX, 1550 nm, single-mode, LC, 80 km
330115	TN-SFP-LX12	1000BASE-LX, 1550 nm, single-mode, LC, 120 km
330097	TN-SFP-FC2XM	Fiber channel 2.5 Gbps, 850 nm, multimode, LC, 150 m
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

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-mode 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

Control and Signaling over Fiber

Contact Closure Transmission

INTERLOGIX

Interlogix 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
359520	DECR3020	8-channel contact closure to Ethernet Rx, 100FX MM
359522	DECR3030	8-channel contact closure to Ethernet Rx, 100FX SM

Self-healing Ring/Full Duplex Data Transceiver D19100SHR Series

INTERLOGIX

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
- 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

Accessories

Rack-mount Chassis for Video Multiplexers

INTERLOGIX

Use this chassis with the various Interlogix rack-mount cards selected for your application.

The R3 rack-mount card cage provides for the elimination of a single-point failure in the event of a major fault within any module located within the chassis rack.

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.)

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
- 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 and 502R 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

Power Supplies for Fiber Modules

INTERLOGIX

The 600P series power supplies are designed to supply low-voltage power for Interlogix's stand-alone modules. 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

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

STAND-ALONE POWER SUPPLY

The 61xP series power supplies are designed to supply low voltage power for standalone fiber link modules.

Anixter No.	Vendor No.	Description
252923	613P	13.5 V DC @ 1.7 amp out
273642	614P	13.5 V DC @ 2.3 amp out

CCTV (Coax) over UTP - Baseband Video

Single-channel Passive Transceivers

NVT

The NVT models NV-208A-M and the NV-214A-M transceivers are passive (nonamplified) 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)

MOUNTING BRACKET

Anixter No.	Vendor No.	Description
393096	NV-BKT214-8	For NV-215J-M (eight 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.

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.

CCTV (Coax) over UTP - Baseband Video

Passive 4-channel Video Transceiver

NVT

The NVT model NV-413A 4-channel Video Transceiver is a passive (nonamplified) 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
- Limited lifetime warranty

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

Two NV-413As may be rack-mounted using the NV-RM8/10 rack panel kit. Contact your local sales representative for further information.

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 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. 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
- Limited lifetime warranty

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

Two NV-452Rs may be rack mounted using the NV-RM8/10 rack panel kit. Contact your local sales representative for further information.

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

Passive Video Transceiver Stub Hubs

NVT

The NVT models NV-813S, NV-1613S and NV-3213S are 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
363174	NV-1613S	16-channel
363028	NV-3213S	32-channel

CCTV (Coax) over UTP - Baseband Video

DigitalEQ Active Receiver Hubs

NVT

The NVT models NV-872, NV-1672 and NV-3272 are 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

- Four distribution amplifier video outputs per input channel
- 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

NV-1672 DIGITALEQ ACTIVE DA HUB

- Two distribution amplifier video outputs per input channel
- 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

NV-3272 DIGITALEQ ACTIVE HUB

- One video output per channel
- 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

StubEQ Active Receiver Hubs

NVT

The NVT models NV-442, NV-842, NV-1642 and NV-3242 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

CCTV (Coax) over UTP - Baseband Video

NV-442

- 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

NV-842

- 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

NV-1642

- 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

NV-3242

- 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

Passive Single-channel Power-video Transceiver

NVT

The NVT model NV-216A-PV Power-Video Transceiver with power is a passive (nonamplified) 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-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
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 (nonamplified) 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

CCTV (Coax) over UTP - Baseband Video

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 (nonamplified) video transmitter combined with a 24 V 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

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 ANSI/TIA-568-C.0 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 ANSI/TIA-568-C.0
- 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
341355	NV-16PS10-PVD	16-channel

ACCESSORIES

Anixter No.	Vendor No.	Description
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 ANSI/TIA-568B
- Independently selectable 24 or 28 V AC 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
341356	NV-8PS13-PVD	8-channel
341357	NV-16PS13-PVD	16-channel

ACCESSORIES

Anixter No.	Vendor No.	Description
393093	NV-4PSRMBK	Rack panel kit for 4-port power-supply products

CCTV (Coax) over UTP - Baseband Video

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 ANSI/TIA-568B pin-outs

Anixter No.	Vendor No.	Description
299588	NV-704J-PVD	4-channel
299589	NV-716J-PVD	16-channel

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. The 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
- 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 (nonamplified) 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	RJ45/male BNC with mini-coax pigtail
422120	NV-217J-M	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.

CCTV (Coax) over UTP - Baseband Video

Power-supply StubEQ Active Receiver Hubs

NVT

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 5 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 ANSI/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
- 1U rack-mount configurations

Anixter No.	Vendor No.	Description
422121	NV-8PS42-PVD	8-channel, one amp/channel, two video outputs/channel
422122	NV-16PS42-PVD	16-channel, one amp/channel, two video outputs/channel
422123	NV-32PS42-PVD	32-channel, 0.5 amp/channel

UTP Passive Baluns

INTERLOGIX

Interlogix 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	Male BNC, screwless terminal
425168	GEC-PVTC-MC	Male BNC, 9 in. coax lead
425170	GEC-PVTC-MRTSP	Male BNC, right angle, surge protection
425171	GEC-PVTC-MCSP	Male BNC, 9 in. coax lead, surge protection
425172	GEC-PVTC-MSP	Male BNC, surge protection
425174	GEC-PVTC-FCSP	Female BNC, surge protection

UTP Active 1-channel Transmitters and Receivers

INTERLOGIX

Interlogix 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

CCTV (Coax) over UTP - Baseband Video

UTP Multichannel Hubs

INTERLOGIX

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
- 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

INTERLOGIX

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 amp
- 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

CATV (Coax) over UTP - Broadband Video

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
324952-PK	500302-2PK	CATV Balun II, pack of two

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. 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

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

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

A/V over UTP - Component, HDMI, VGA, S-Video, SDI

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) and 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

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 signagе, 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 parts: 500000, 500001, 500009, 500012, 500016, 500017, 500019, 500021, 500023

Anixter No.	Vendor No.	Description
275882	500200	110 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

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

A/V over UTP - Component, HDMI, VGA, S-Video, SDI

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

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

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

- 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

A/V over UTP - Component, HDMI, VGA, S-Video, SDI

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

- 20 Hz to 20 kHz audio bandwidth
- Compact design for neater wiring
- Lifetime warranty

Anixter No.	Vendor No.	Description
339734	500039	Stereo Hi-Fi/Video Balun
502813	500039-2PK	Stereo Hi-Fi/Video Balun, pack of two

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) at 1080p via Cat 5e
- Up to 90 ft. (27 m) at 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 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 Cat 6 cables. The kit includes one transmitter, one receiver, one IR Emitter, one IR Sensor and two 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) at 1080p deep color via Cat 6
- Up to 300 ft. (91 m) at 1080i via Cat 5e/6
- Connect via two 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

A/V over UTP - Component, HDMI, VGA, S-Video, SDI

HDMI 1x4 Distribution Hub

MUXLAB INC

The HDMI 1x4 Distribution Hub (500420) allows one HDMI source to be distributed to up to four HDMI displays via two 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

- Supports Cat 5e/6 on input and output sides
- Up to 150 ft. (46 m) at 1080p via two Cat 5e
- Up to 300 ft. (91 m) at 1080i via two Cat 5e
- Up to 150 ft. (46 m) at 1080p deep color via Cat 6
- Cascadable
- Local HDMI output
- Includes one IR Emitter for IR source control
- EDID configuration switch

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

Stereo AV/IR Pass-Thru Balun

MUXLAB INC

The Stereo AV/IR Pass-Thru Balun (500048, 500049) allows one composite video, one stereo audio and one 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 2-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

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 3.5 mm stereo plug lead
- Quicker moves, adds and changes
- Compact design

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

A/V over UTP - Component, HDMI, VGA, S-Video, SDI

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 Stereo Audio channel to be transmitted via one 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 adjustments. Applications include: digital signage, residential, boardroom, classroom and medical-imaging video systems.

FEATURES

- Up to 600 ft. (180 m) via Cat 5e/6 at 1,920x1,200
- Supports analog stereo or digital audio
- Supports RS-232 or IR control
- DDC1/DDC2 (plug-and-play)-compliant
- 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 VGA (RGBHV) sources to be switched to one 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 500140 is required to support one source and one display. Up to three additional 500141 may be added to support up to three additional sources.

FEATURES

- Auto and Manual switching modes
- Control via: manual, IR, RS-232 and USB
- Plug-and-play - DDC1-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

A/V over UTP - Component, HDMI, VGA, S-Video, SDI

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 composite video, one stereo audio and one 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 2-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	XLR3M
306928	500026	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, high-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

A/V over UTP - Component, HDMI, VGA, S-Video, SDI

Quad Audio Wall Balun

MUXLAB INC

The Quad Audio Wall Balun (500033-WP-US) 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 Wall Balun allows up to four coax audio cables to be replaced by one 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 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

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 in. (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
- Compatible with 500052, 500052-WP

Anixter No.	Vendor No.	Description
448605	500052-PRO-BNC	With BNC-M
448606	500052-PRO-RCA	With 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 in. (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
- Compatible with 500056

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

A/V over UTP - Component, HDMI, VGA, S-Video, SDI

HDMI 4x4 Cat 5e/6 Matrix Switch

MUXLAB INC

The HDMI 4x4 Matrix Switch (500415) allows up to four different HDMI sources to be connected and/or distributed to up to four 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 Cat 5e/6
- Control options: Manual, IR, USB, GUI, Web
- Up to 150 ft. (45 m) at 1080p/8-bit via Cat 5e
- Up to 90 ft. (27 m) at 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 Cat 5e/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 Cat 6 cables.

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 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

Digital Audio Converter, LPCM

MUXLAB INC

The Digital Audio Converter, LPCM (500080) converts one LPCM-encoded coaxial (S/PDIF) or optical (TOSLink) digital audio signal to a standard left/right analog audio output, thereby allowing a digital audio source such as a DVD or CD player without RCA analog audio output to be connected to an audio-video receiver or TV.

FEATURES

- Converts 2-channel LPCM digital audio to left/right analog audio
- Switch selects between TOSLink and S/PDIF inputs
- May be used with MuxLab mounting accessories
- TOSLink cable included
- RCA cables not included

Anixter No.	Vendor No.	Description
502932	500080	Digital Audio Converter, LPCM

Active VGA Managed System

MUXLAB INC

The Active VGA Managed System (AVM) is a total cabling solution that allows digital signage systems to be installed and managed more efficiently via a Cat 5e/6 structured cabling system. The solution is comprised of four components; Active VGA Managed Dispatcher Hub, Active VGA Managed Repeater Hub, active VGA Managed Receiver and MuxLab Control Software. When used together AVM allows a network of over 256 displays to be driven up to 2,000 ft. (610 m) from a single VGA/Audio source. AVM allows picture gain and skew to adjust at each receiver and custom scripts may be sent to each displays to control time of day on/off.

FEATURES

- Dispatcher Hub (500170, 500171) distributes up to eight or 16 displays
- Repeater Hub (500172) adds 1,000 ft. (305 m) and distributes to eight more receivers
- Receiver (500174) supports dual VGA output and VESA mounting
- Manual and software gain/skew control

A/V over UTP - Component, HDMI, VGA, S-Video, SDI

- MuxLab Control Software for gain/skew and display scripts Control via GUI, RS-232 and Web
- All manuals and software must be downloaded from MuxLab website

Anixter No.	Vendor No.	Description
502945	500170	Dispatcher Hub, 8-port
502946	500171	Dispatcher Hub, 16-port
502947	500172	Repeater Hub, 8-port
502948	500174	Receiver Dual Head

HDMI Passive Extender Kit

MUXLAB INC

The HDMI Passive Extender Kit (500402) allows HDMI equipment to be connected up to 100 ft. (30 m) via two Cat 5e unshielded twisted pair cables in a point-to-point configuration at 1080p resolution.

FEATURES

- HDMI 1.4
- Up to 100 ft. (30 m) at 1080p via Cat 5e
- Up to 150 ft. (45 m) at 1080p via Cat 6
- Connect via two Cat 5e/6 cables
- No external power required
- Supports HDMI 3D
- Works with Deep Color equipment

Anixter No.	Vendor No.	Description
473460	500402	HDMI Passive 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.

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) HDSDI-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

HD-SDI Fiber Extender Kit

MUXLAB INC

The HD-SDI Fiber Extender Kit (500710) allows HD-SDI to be transmitted up to 1,000 ft. (300 m) via one multimode fiber or 19 mi (30 km) via one single-mode fiber in a point-to-point configuration.

FEATURES

- Supports up to 3G-SDI
- LED diagnostics: Power, SDI presence
- Includes Hirose power cable
- Includes hard plastic carry case

Anixter No.	Vendor No.	Description
502987	500710	HD-SDI Fiber Extender Kit

Accessories

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.

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

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 MuxLab square balun
- 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

Accessories

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

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
- Supports up to six baluns
- Includes four rack-mount screws and washers
- Slot number silkscreen on front and rear

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

Ethernet over Coax - 10/100BASE-T

Power and Ethernet over Coaxial Cable

COMNET

The ComNet CWFE1POCOAX 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 CWFE1POCOAXA provides up to 15.4 watts of operating power to the remote PSE device. The CWFE1POCOAXA 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 CWFE1POCOAXA or CWFE2POCOAXA is used at the headend and the CWFE1POCOAXBM is used at the remote location. ComNet products are made in the USA, and are available to purchase under GSA contract.

FEATURES

- Ethernet data rates of 100 Mbps
- BNC connector for coaxial cable
- IEEE 802.3 compliant
- Power supply included
- Five-year warranty

Anixter No.	Vendor No.	Description
448470	CWFE1POCOAXA	Power over Coax; Power over Ethernet (PoE)
448471	CWFE2POCOAXA	Dual Power over Coax; Power over Ethernet (PoE)
448472	CWFE1POCOAXBM	Power over Coax; Power over Ethernet (PoE) Remote

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. The 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

KITS

Anixter No.	Vendor No.	Description
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

Access Points/Nodes/Radios/Bridges

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

- 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

HotPoint 5000 Series MIMO Access Points

FIRETIDE

Firetide HotPoint 5000 series MIMO wireless access points deliver a modular access solution for large-scale, indoor and outdoor wireless networks. Their 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

- 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 SERIES - INDOOR

Anixter No.	Vendor No.	Description
424473	5100	HotPoint 5100 - 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
489199	AOI-245-MIMO-25	Six-port 2.4 GHz, 5 GHz dual-band ceiling antenna with three 2.4 GHz connectors and three 5 GHz connectors

HOTPOINT 5200 - OUTDOOR

Anixter No.	Vendor No.	Description
424475	5200	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

Access Points/Nodes/Radios/Bridges

HotPoint 4100 Access Points

FIRETIDE

Firetide HotPoint 4100 wireless access points deliver a modular access solution for large-scale, indoor and outdoor wireless networks. Their 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

- 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 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	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

HotPort 7000 Series 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 7010 - INDOOR

With indoor MIMO-802.11n capabilities, 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, documentation CD and hardware installation guide. The 11n MIMO functionality requires purchase of SW-7000-MIMO license.

Anixter No.	Vendor No.	Description
424454	7010	Six dual-band 2.4 GHz and 5 GHz 3 dBi antennas, only single radio enabled, second radio enabling requires purchase of SW-7000-RADIO-1
434819	7010-FIPS	FIPS 140-2 NIST-compliant, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas, only single radio enabled, second radio enabling requires purchase of SW-7000-RADIO-1
448363	7010-900	Indoor 900 MHz capable, three dual-band 2.4 GHz and 5 GHz 3 dBi antennas, one 900 MHz staging antenna

HOTPORT 7020 - OUTDOOR

With outdoor MIMO-802.11n capabilities, 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, three RJ45 weatherized Ethernet connectors, documentation CD and hardware installation guide. The 11n MIMO functionality requires purchase of SW-7000-MIMO license.

Anixter No.	Vendor No.	Description
424457	7020	Six dual-band 2.4 GHz and 5 GHz 3 dBi antennas, only single radio enabled, second radio enabling requires purchase of SW-7000-RADIO-1

Access Points/Nodes/Radios/Bridges

Anixter No.	Vendor No.	Description
434818	7020-FIPS	FIPS 140-2 NIST-compliant, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas, only single radio enabled, second radio enabling requires purchase of SW-7000-RADIO-1
448362	7020-900	Outdoor 900 MHz capable, three dual-band 2.4 GHz and 5 GHz 3 dBi antennas, one 900 MHz staging antenna

HOTPORT 7000 SERIES SOFTWARE

For a single node.

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

FM1200 VOLO

FLUIDMESH NETWORKS INC

The Fluidmesh FM1200 VOLO is the latest generation of Fluidmesh wireless products. It includes a MIMO based radio, a 30 degree high-gain integrated patch antennas and the new Prodigy 2.0 transmission protocol for maximum performance and reliability. The FM1200 VOLO is designed and manufactured for backhauling of mission critical applications including video, voice and data. A lot of research was done in making the product more intuitive and faster to deploy. It comes with a two-cord watertight cable gland as well as a NPT-1 threaded bottom that allows to run conduit directly to it.

FEATURES

- 4.9 and 5.1-5.8 GHz transmission
- 300 Mbps modulation speed
- Up to 20 miles of LOS range
- Small form-factor for embedded applications (156.6 mm x 330.5 mm x 79.9 mm, 18.34 oz.)
- AES 128-bit encryption available
- High reliability and low latency — prodigy intelligent transmission protocol
- Cost-effective — pay-as-you-grow bandwidth model
- Includes enterprise network management software
- Small form-factor
- Solar power-friendly due to low consumption (max. 8 W)

Anixter No.	Vendor No.	Description
517437	FM1200V-HW	FM1200 VOLO, single MIMO radio device, 1 Mbps Ethernet throughput, 4.9-5.8 GHz with integrated panel antennas; two Ethernet ports; includes passive PoE injector and 90-240 V AC power supply

ENABLE ETHERNET THROUGHPUT

Anixter No.	Vendor No.	Description
517438	FM1200V-02	2.5 Mbps
517439	FM1200V-05	5 Mbps
517440	FM1200V-10	10 Mbps
517441	FM1200V-30	30 Mbps
517442	FM1200V-60	60 Mbps
517443	FM1200V-UN	Unlimited (100 Mbps)

UPGRADE ETHERNET THROUGHPUT

Anixter No.	Vendor No.	Description
517445	FM1200V-UPG-0205	From 2.5-5 Mbps
517446	FM1200V-UPG-0210	From 2.5-10 Mbps
517448	FM1200V-UPG-0230	From 2.5-30 Mbps
517449	FM1200V-UPG-0260	From 2.5-60 Mbps
517450	FM1200V-UPG-02UN	From 2.5 Mbps to unlimited (100 Mbps)
517452	FM1200V-UPG-0510	From 5-10 Mbps
517453	FM1200V-UPG-0530	From 5-30 Mbps
517454	FM1200V-UPG-0560	From 5-60 Mbps
517455	FM1200V-UPG-05UN	From 5 Mbps to unlimited (100 Mbps)
517456	FM1200V-UPG-1030	From 10-30 Mbps
517457	FM1200V-UPG-1060	From 10-60 Mbps
517459	FM1200V-UPG-10UN	From 10 Mbps to unlimited (100 Mbps)
517460	FM1200V-UPG-3060	From 30-60 Mbps
517461	FM1200V-UPG-30UN	From 30 Mbps to unlimited (100 Mbps)
517462	FM1200V-UPG-60UN	From 60 Mbps to unlimited (100 Mbps)

Access Points/Nodes/Radios/Bridges

FM3100M ENDO

FLUIDMESH NETWORKS INC

The FM3100M ENDO is a MIMO-based wireless product designed and manufactured for back-hauling mission-critical applications for video, voice and data. This product is designed for all those applications where an integrated antenna design won't work such as on-board vehicles, ferries and mining trucks.

FEATURES

- Available with single- or dual-radio configuration
- 3.5, 4.9 and 5.1-5.8 GHz transmission
- 300 Mbps modulation speed
- Up to 20 miles of LOS range
- Small form-factor for embedded applications
- AES 128-bit encryption available
- High reliability and low latency — prodigy intelligent transmission protocol
- Cost-effective — pay-as-you-grow bandwidth model
- Includes enterprise network management software
- Small form-factor (80 mm x 90 mm x 36 mm; 7.0 oz.)
- Solar power-friendly due to low consumption (max. 8 W)

Anixter No.	Vendor No.	Description
517463	FM3100M-ENDO-HW	FM3100 ENDO, single-radio wireless mesh router operating at 3.5 GHz and 4.9-5.8 GHz, 10 Mbps Ethernet throughput, one Ethernet port; for indoor use with external power supply operating at 12 V DC or 110-240 V AC

ENABLE ETHERNET THROUGHPUT

Anixter No.	Vendor No.	Description
517466	FM3100M-ENDO-15	15 Mbps
517469	FM3100M-ENDO-UN	Unlimited

UPGRADE ETHERNET THROUGHPUT

Anixter No.	Vendor No.	Description
517471	FM3100M-ENDO-UPG-15UN	From 15 Mbps to unlimited

FM3100 MITO

FLUIDMESH NETWORKS INC

The FM3100 MITO is a MIMO-based wireless product designed and manufactured for back-hauling mission-critical applications for video, voice and data. Thanks to a 90° sector antenna, the FM3100 can be used to create point-to-multipoint networks with up to 30 clients offering an aggregate throughput of up to 100 Mbps.

FEATURES

- 90° integrated sector antenna
- 4.9 and 5.1-5.8 GHz transmission
- 300 Mbps modulation speed
- Up to 20 miles of LOS range
- Includes PoE injector
- AES 128-bit encryption available
- High reliability and low latency — prodigy intelligent transmission protocol
- Cost-effective — pay-as-you-grow bandwidth model
- Includes enterprise network management software
- Small form-factor (370 mm x 80 mm x 85 mm; 3.52 lb.)
- Solar power-friendly due to low consumption (max. 8 W)

Anixter No.	Vendor No.	Description
494925	FM3100M-HW	FM3100 MITO, single MIMO radio device, 10 Mbps Ethernet throughput, 4.9-5.8 GHz with integrated 90º sector antennas; one Ethernet port; includes passive PoE injector and 90-240 V AC power supply
494926	FM3100M-30	Enable 30 Mbps Ethernet throughput in FM3100 Devices
494927	FM3100M-60	Enable 60 Mbps Ethernet throughput in FM3100 Devices
494928	FM3100M-UN	Enable Unlimited Ethernet throughput (100 Mbps) in FM3100 Devices
494929	FM3100M-UPG-3060	Upgrade Ethernet throughput from 30 Mbps to 60 Mbps for FM3100
494930	FM3100M-UPG-30UN	Upgrade Ethernet throughput from 30 Mbps to Unlimited (100 Mbps) for FM3100
494931	FM3100M-UPG-60UN	Upgrade Ethernet throughput from 60 Mbps to Unlimited (100 Mbps) for FM3100

Access Points/Nodes/Radios/Bridges

EXTENDED WARRANTY PLANS

Anixter No.	Vendor No.	Description
494942	FM-EEW-3Y	Limited warranty extension to three years and enhanced warranty including advanced replacement; plan is valid for one product and must be associated with the product serial number prior to physical installation on-site
494943	FM-EEW-5Y	Limited warranty extension to five years and enhanced warranty including advanced replacement; plan is valid for one product and must be associated with the product serial number prior to physical installation on-site
494944	FM-EW-2Y	Limited warranty extension for additional two years after the standard two-year warranty expiration; plan is valid for one product and must be associated with the product serial number before the standard warranty expires

OPTIONAL SOFTWARE PLUG-INS

Anixter No.	Vendor No.	Description
494940	FM-AES	AES Plug-In — enables AES 128-bit hardware-based encryption on one Fluidmesh product; one plug-in is required for each hardware device in which encryption is desired
494941	FM-VLAN	VLAN Plug-In — enables port-based and MAC address-based VLANs on one Fluidmesh product; all Fluidmesh hardware devices in a network must have a plug-in for VLAN to operate
509979	FM-MOB	Fluidity Software Plug-Ins for mobility applications that require fast roaming; nnly available for MITO, ENDO, and VOLO Series; previous approval by Fluidmesh is required before ordering

ON-SITE SUPPORT

Anixter No.	Vendor No.	Description
494945	FM-FIELD-1D	Fluidmesh engineer field support/ system commissioning fee for one day (eight hours) — field assistance by a Fluidmesh engineer; traveling expenses are included but additional traveling fees may apply depending on location

Indoor Unit-C

RADWIN INC

The RADWIN Indoor Unit-C (IDU-C) product line comprises of carrier grade 19 in. indoor devices providing up to 16 E1/T1 interfaces (configurable), two Ethernet ports and one SFP port. Supporting independent clock per each TDM port and dual wide-range DC feed, IDU-C is a scalable, easy-to-use solution that is compatible with the RADWIN 2000 porfolio.

FEATURES

- Supporting independent clock per each TDM port
- Scalable, easy-to-use solution
- Compatible with RADWIN 2000 portfolio

Anixter No.	Vendor No.	Description
510351	RW-7200-2000	IDU-C with two Ethernet interfaces with 10/100/1000BASE-T interfaces and SFP port
510352	RW-7204-2000	IDU-C with four TDM ports, two Ethernet interfaces and SFP port
510353	RW-7208-2000	IDU-C with eight TDM ports, two Ethernet interfaces and SFP port
510354	RW-7216-2000	IDU-C with 16 TDM ports, two Ethernet interfaces and SFP port

Indoor Unit-E

RADWIN INC

The Radwin IDU-E series consists of two units that are half-width, 19 in. rack mountable and support two Ethernet ports and up to two T1/E1 ports. IDU-E products support wide-range DC power feed (-20 V DC to -60 V DC).

FEATURES

- Can be utilized with all RW2000 Radios
- High-impact plastic cases

Anixter No.	Vendor No.	Description
510355	RW-7100-2000	IDU-E with two Ethernet interfaces
510356	RW-7102-2000	IDU-E with two TDM ports, two Ethernet interfaces and external alarm interfaces

Access Points/Nodes/Radios/Bridges

RADWIN Indoor Unit-H

RADWIN INC

The RADWIN Indoor Unit-H (IDU-H) product line comprises of carrier grade, half-width 19 in. rack-mounted indoor devices aggregating Ethernet traffic for up to six ODUs. It delivers their traffic to two high-speed uplink Ethernet ports and two SFP ports.

FEATURES

- Supports Legacy PoE ports (10/100/1000 Mbps)
- Two uplink Ethernet ports (10/100/1000BASE-T Ethernet)
- Two uplink 1000 Mbps SFP ports

Anixter No.	Vendor No.	Description
510357	RW-7300-2006	IDU-H with two Ethernet 10/100/1000BASE-T interfaces and two SFP ports

2000 C-Series Point-to-point Link

RADWIN INC

The RADWIN 2000 C-Series point-to-point radios deliver throughput of up to 200 Mbps and up to 16 xE1s/T1s and incorporate state-of-the-art technologies including MIMO and OFDM. Unique air interface capabilities secure performance optimization, enabling high spectral efficiency and robust performance in dense radio environments.

FEATURES

- Asymmetric capacity, fixed or dynamic channel allocation
- Ethernet service protection through 1 + 1 and ring topology
- Long range up to 120 km/75 miles

Anixter No.	Vendor No.	Description
510358	RW-2024-0100	2000 C-Series Point-to-Point Link 200 Mbps net throughput with integrated antenna supporting 2.4 GHz
513730	RW-2024-0200	2000 C-Series Point-to-Point Link 200 Mbps net throughput connectorized for external antenna supporting 2.4 GHz
513731	RW-2030-0100	2000 C-Series Point-to-Point Link 100 Mbps net throughput with integrated antenna factory default 3.65 GHz
513732	RW-2030-0200	2000 C-Series Point-to-Point Link 100 Mbps net throughput connectorized for external antenna factory default 3.65 GHz
513733	RW-2049-0100	2000 C-Series Point-to-Point Link 200 Mbps net throughput with integrated antenna factory default 4.9 GHz
513734	RW-2049-0200	2000 C-Series Point-to-Point Link 200 Mbps net throughput connectorized for external antenna factory default 4.9 GHz FCC
513735	RW-2050-0100	2000 C-Series Point-to-Point Link 200 Mbps net throughput with integrated antenna 5.8 GHz
513736	RW-2050-0200	2000 C-Series Point-to-Point Link 200 Mbps net throughput connectorized for external antenna factory default 5.8 GHz
513737	RW-2050-H200	2000 C-Series Point-to-Point Link 200 Mbps net throughput connectorized for external antenna supporting 5.8 GHz. Approved for HAZLOC
513738	RW-2050-H100	2000 C-Series Point-to-Point Link 200 Mbps net throughput with integrated antenna supporting 5.8 GHz. Approved for HAZLOC
513739	RW-2825-0100	2000 C-Series Point-to-Point Link 100 Mbps net throughput with integrated antenna supporting 2.5 GHz
513740	RW-2825-0200	2000 C-Series Point-to-Point Link 100 Mbps net throughput connectorized for external antenna supporting 2.5 GHz

Access Points/Nodes/Radios/Bridges

2000 B-Series Point-to-Point Link

RADWIN INC

RADWIN 2000 B-Series radios deliver up to 50 Mbps net aggregate throughput and up to eight E1s/T1s and incorporate state-of-the-art technologies including MIMO and OFDM. Unique air interface capabilities secure performance optimization, enabling high spectral efficiency and robust performance in dense radio environments. The radios come with an extremely small form factor antenna and include built-in connectors for optional external antenna

FEATURES

- Asymmetric capacity, fixed or dynamic channel allocation
- Ethernet service protection through 1 + 1 and ring topology
- Long range up to 120 km/75 miles

Anixter No.	Vendor No.	Description
513741	RW-2024-B150	2000 B-Series Point-to-Point Link 50 Mbps net throughput with connectorized antenna, supporting 2.4 GHz FCC/IC band
513742	RW-2024-B250	2000 B-Series Point-to-Point Link 50 Mbps net throughput with integrated antenna, supporting 2.4 GHz FCC/IC band
513743	RW-2049-B350	2000 B-Series Point-to-Point Link 50 Mbps net throughput with integrated antenna and connectorized supporting 4.9 GHz
513744	RW-2050-B350	2000 B-Series Point-to-Point Link 50 Mbps net throughput with integrated antenna and connectorized supporting 5.8 GHz
513745	RW-2825-B250	2000 B-Series Point-to-Point Link 50 Mbps net throughput with connectorized antenna supporting 2.5 GHz
513746	RW-2825-B150	2000 B-Series Point-to-Point Link 50 Mbps net throughput with integrated antenna supporting 2.5 GHz

2000 A-Series Point-to-Point Link - Radio

RADWIN INC

RADWIN 2000 A-Series radios offer highly affordable prices for a 10 Mbps model and 25 Mbps net aggregate throughput + four E1s/T1s model in the 4.9, 5.x and 2.4 GHz bands, together with software capacity upgrade capabilities from 10 Mbps to 25 Mbps.

FEATURES

- MIMO and OFDM technologies
- Extremely small form factor
- Long range up to 120 km/75 miles

Anixter No.	Vendor No.	Description
513747	RW-2024-A125	2000 A-Series Point-to-Point Link - radio 25 Mbps net aggregate throughput with integrated antenna supporting 2.4 GHz
513748	RW-2024-A225	2000 A-Series Point-to-Point Link - radio 25 Mbps net aggregate throughput with connectorized antenna supporting 2.4 GHz
513749	RW-2050-A125	2000 A-Series Point-to-Point Link - radio 25 Mbps net aggregate throughput with integrated antenna supporting 5.8 GHz
513750	RW-2050-A225	2000 A-Series Point-to-Point Link - radio 25 Mbps net aggregate throughput with connectorized antenna supporting 5.8 GHz
513751	RW-2024-A110	2000 A-Series Point-to-Point Link - radio 10 Mbps net aggregate throughput with integrated antenna supporting 2.4 GHz
513752	RW-2024-A210	2000 A-Series Point-to-Point Link - radio 10 Mbps net aggregate throughput with connectorized antenna supporting 2.4 GHz
513753	RW-2050-A110	2000 A-Series Point-to-Point Link - radio 10 Mbps net aggregate throughput with integrated antenna supporting 5.8 GHz
513754	RW-2050-A210	2000 A-Series Point-to-Point Link - radio 10 Mbps net aggregate throughput with connectorized antenna supporting 5.8 GHz

Access Points/Nodes/Radios/Bridges

5000 Multiband Base Station

RADWIN INC

The RADWIN 5000 high-capacity base station is an OFDM/MIMO 2x2 outdoor base station radio unit that covers a single sector in MIMO mode or dual sectors in diversity mode. The unit is light and compact and includes connectors for an external antenna. Supports up to 250 Mbps per sector, delivering high capacity over a single radio unit.

FEATURES

- Multiband supporting 2.3-2.7, 3.3-3.8, 4.8-6.0 GHz
- OFDM, MIMO 2x2/Diversity enables nLOS deployment
- High- and fixed-capacity HSUs (up to 32 per sector/64 timeslots)

Anixter No.	Vendor No.	Description
513755	RW-5025-0B50	5000 Multiband Base Station 25 Mbps net throughput with integrated external antenna factory default 5.8 GHz
513756	RW-5025-0C50	5000 Multiband Base Station 25 Mbps net throughput connectorized for external antenna factory default 5.8 GHz
513757	RW-5050-0150	5000 Multiband Base Station 25 Mbps net throughput connectorized for external antenna factory default 5.8 GHz
513758	RW-5050-0250	5000 Multiband Base Station 50 Mbps net throughput connectorized for external antenna factory default 5.8 GHz
513759	RW-5100-0230	5000 Multiband Base Station 100 Mbps net throughput connectorized for external antenna factory default 3.65 GHz
513760	RW-5100-8225	5000 Multiband Base Station 100 Mbps net throughput connectorized for external antenna supporting 2.5 GHz
513761	RW-5200-0250	5000 Multiband Base Station 250 Mbps net throughput connectorized for external antenna factory default 5.8 GHz

5000 Multiband Subscriber Units

RADWIN INC

The RADWIN 5000 multiband radio provides a variety of high-capacity subscriber units (HSUs) that deliver 5, 10, 25 and 50 Mbps for fixed and nomadic applications.

FEATURES

- Multiband supporting 2.3-2.7, 3.3-3.8, 4.8-6.0 GHz
- OFDM, MIMO 2x2/Diversity enables nLOS deployment
- High- and fixed-capacity HSUs (up to 32 per sector/64 timeslots)

Anixter No.	Vendor No.	Description
513762	RW-5505-0A50	5000 Multiband Subscriber Units 5 Mbps net throughput with high-gain integrated antenna factory default 3.65 GHz
513763	RW-5505-0C50	5000 Multiband Subscriber Units 5 Mbps net throughput connectorized for external antenna supporting 5.8 GHz
513764	RW-5510-0130	5000 Multiband Subscriber Units 10 Mbps net throughput with high-gain integrated antenna factory default 3.65 GHz
513765	RW-5510-0230	5000 Multiband Subscriber Units 10 Mbps net throughput connectorized for external antenna factory default 3.65 GHz
513766	RW-5510-0350	5000 Multiband Subscriber Units 10 Mbps net throughput integrated antenna and connectorized factory default 5.8 GHz
513767	RW-5510-0A50	5000 Multiband Subscriber Units 10 Mbps net throughput with high-gain integrated antenna factory default 3.65 GHz
513768	RW-5510-0C50	5000 Multiband Subscriber Units 10 Mbps net throughput connectorized for external antenna supporting 5.8 GHz
513769	RW-5525-0A50	5000 Multiband Subscriber Units 25 Mbps net throughput with high-gain integrated antenna supporting factory default 5.8 GHz
513770	RW-5525-0C50	5000 Multiband Subscriber Units 25 Mbps net throughput connectorized for external antenna factory default 5.8 GHz
513771	RW-5550-0130	5000 Multiband Subscriber Units 50 Mbps net throughput with high-gain integrated antenna factory default 3.65 GHz
513772	RW-5550-0150	5000 Multiband Subscriber Units 50 Mbps net throughput with high-gain integrated antenna factory default 5.8 GHz
513773	RW-5550-0250	5000 Multiband Subscriber Units 50 Mbps net throughput connectorized for external antenna factory default 5.8 GHz

Antennas

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 90º 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
- Includes 1.5 meter LMR-400 cable, lightning suppressor and mounting solution
- 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

Includes 1.5 meter LMR400 cable and lightning suppressor with N-type connector.

Anixter No.	Vendor No.	Description
344730	AS-024-N	2.4 to 2.7 GHz 90º sector antenna with 15.5 dBi gain and tilt mount
344733	AS-050-N	4.9 to 5.8 GHz 90º sector antenna with 16 dBi gain and elevation-adjustable mount

ANTENNA CABLE ASSEMBLIES

Anixter No.	Vendor No.	Description
489205	CB-LT-01	RF lightning arrestor
489201	CB-C-015-N	Antenna cable assembly, 1.5 m LMR-400
489204	CB-C-050-N	Antenna cable assembly, 5 m LMR-400
489202	CB-C-015-N-MIMO	MIMO antenna cable assembly for 5200 and 7020. 3-in-1 bundled 1.5 m LMR-400 cables
489203	CB-C-025-N-MIMO	MIMO antenna cable assembly for 5200 and 7020. 3-in-1 bundled 2.5 m LMR-400 cables
448476	CB-025-N-MIMO	MIMO antenna cable assembly for 5200 and 7020. 3-in-1 bundled 2.5 m LMR-400 cables with integrated lightning suppressor N-type connector

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

90º SECTOR ANTENNAS

Includes BSA MIMO 3x3.

Anixter No.	Vendor No.	Description
397481	AS90-024-MIMO-13	90º sector antenna, 2.3-2.7 GHz, 3x13 dBi gain
424476	AS90-050-MIMO-16-T	Triple-polarized, 4.9-6.1 GHz, 3x16 dBi gain

120º SECTOR ANTENNAS

Includes BSA MIMO 3x3.

Anixter No.	Vendor No.	Description
397486	AS120-024-MIMO-11	2.3-2.7 GHz, 3x11.5 dBi gain
397487	AS120-050-MIMO-15	4.9-6.1 GHz, 3x15 dBi gain

20º PATCH ANTENNA

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

Continued on next page > >

Antennas

(continued) Antenna Assemblies for HotPort 7000 Mesh Nodes

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
489200	AP5-050-MIMO-28	5º parabolic dish antenna 2x2 MIMO 4.9-6.1 capable

900 MHZ ANTENNAS

Anixter No.	Vendor No.	Description
403369	AO-900-8	900 MHz omnidirectional antenna, 8 dBi gain
403370	AP40-900-12	900 MHz 12 dBi panel antenna (43 x 42 degree beamwidth)

External Antennas for RADWIN 2000 and RADWIN 5000

RADWIN INC

EXTERNAL SUBSCRIBER UNIT ANTENNAS COMPATIBLE WITH RADWIN 2000 AND RADWIN 5000 PORTFOLIO

Anixter No.	Vendor No.	Description
513774	RW-9612-2427	Flat panel antenna, 1.2 ft., dual polarization, gain 19 dBi, 2.30-2.70 GHz bands
513775	RW-9612-3338	Flat panel antenna, 1.2 ft., dual polarization, gain 21 dBi, 3.30-3.80 GHz bands
513776	RW-9612-4001	Flat panel antenna, 1.2 ft., dual polarization, gain 22 dBi, 4.40-5.10 GHz bands
513777	RW-9612-5001	Flat panel antenna, 1.2 ft., dual polarization, gain 23 dBi, 4.90-6.06 GHz bands
513778	RW-9612-5764	Flat panel antenna, 1.2 ft., dual polarization, gain 24 dBi, 5.70-6.425 GHz bands
513779	RW-9622-5001	Flat panel antenna, 2 ft., dual polarization, gain 28 dBi, 4.90-6.425 GHz bands

EXTERNAL BASE STATION ANTENNAS FOR RADWIN 5000 PORTFOLIO

Anixter No.	Vendor No.	Description
513780	RW-9061-2001	Base station flat panel antenna, dual polarization, gain 14 dBi, 2.3-2.7 GHz bands, 60º
513781	RW-9061-3001	Base station flat panel antenna, dual polarization, gain 14 dBi, 3.3-3.8 GHz bands, 90º
513782	RW-9061-5001	Flat panel antenna, 1.2 ft., dual polarization, gain 23 dBi, 4.90-6.06 GHz bands
513783	RW-9061-6001	Flat panel antenna, 2 ft., dual polarization, gain 13 dBi, 5.70-6.40 GHz bands
513784	RW-9061-5002	Base station flat panel antenna, dual polarization, gain 13 dBi, 4.90-6.060 GHz bands, 60º
513785	RW-9061-5003	Base station flat panel antenna, dual polarization, gain 12 dBi, 5.15-5.875 GHz bands, 120º

Controllers

WLAN Controller

FIRETIDE

Focused on improving the reliability and availability of the WLAN system, Firetide WLAN controllers bring in features like WLAN self-healing and intelligent data traffic routing. With no licensing for AP scaling and features, the controller solution is simple, flexible and ready to deploy. The controller features Firetide's wireless platform software from their mesh product line that is highly optimized for transporting high-performance applications such as video and voice over wireless.

FEATURES

- Seamless L3 mobility
- Auto AP discovery and offline configuration
- Automatic channel management and assignment
- WLAN self-healing
- External LDAP server*
- External authentication for captive portal users*
- Captive portal account management*
- External MAC-ACL list support with limit of 4,096 per VAP*
- Remote AP support*
- * Additional FWC 2000 feature not available in FWC 1000

FWC 1000

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.

Anixter No.	Vendor No.	Description
448365	FWC 1000	WLAN controller - for 50 access points

FWC 2000

Provides 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 two-meter North America AC power cable.

Anixter No.	Vendor No.	Description
448364	FWC 2000	Rack-mountable WLAN controller - for 50 access points

Accessories

Mounting Solutions

FIRETIDE

Anixter No.	Vendor No.	Description
448477	MT-7100	HotPort 7100 family indoor mounting kit for wall, upright, ceiling and office panel installation, 10 machine screws

Power Sources and Cables

FIRETIDE

Anixter No.	Vendor No.	Description
344736	PO-010-N	7000 series outdoor-rated 10 m North America AC power cable
378360	PO-010-E	7000 series outdoor-rated 10 m EU and Korea AC power cable
369148	PO-010-U	7000 series outdoor-rated 10 m UK, Singapore AC power cable
448478	7020-1001	6-pin female DC power connector for HotPort 7000 series
489198	7020-1002	RF terminator - 50 ohms - N male

REPLACEMENT PARTS

Anixter No.	Vendor No.	Description
448473	SP-7200-03	7020 series replacement outdoor clawtooth mounting kit
448475	SP-7200-04	7020 series outdoor-rated replacement 5 m North America AC power cable
384871	SP-4100-01	4100 series replacement indoor AC/DC power supply adapter, kit of international plugs - U.S., EU, UK, AUS
403373	SP-2100-01	2100 series replacement indoor AC/DC power supply adapter, kit of international plugs - U.S., EU, UK, AUS
403375	SP-7200-02	7020 series replacement weatherized field-installable Ethernet RJ45 connector
403376	SP-7100-01	7010 series replacement indoor power supply desktop brick 12 V DC

Software

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

HOTVIEW PRO MESH MANAGEMENT SOFTWARE

The electronic license includes integrated HotPort mesh and HotPoint access point or stand-alone HotPoint access point.

Anixter No.	Vendor No.	Description
384862	3000-9000-ELE-10	Per 10 nodes
333051	3000-9000-ELE-30	Per 30 nodes

FIRETIDE MOBILITY CONTROLLER SOFTWARE

The electronic license includes integrated HotPort mesh and HotPoint access point or stand-alone HotPoint access point.

Anixter No.	Vendor No.	Description
384864	SW-MC001-ELE-10	Per 10 nodes
384865	SW-MC001-ELE-30	Per 30 nodes

Network Management Software

RADWIN INC

The RADWIN Network Management Software (RNMS) enables service providers to manage all RADWIN links in their network from a Network Operations Center (NOC). With RNMS, service providers can monitor and configure up to 10,000 RADWIN links from one location.

FEATURES

- Performance monitoring and trend reports
- Easy access to link and site information
- Simple interface to any SNMP device

WARRANTY

Anixter No.	Vendor No.	Description
510077	RW-9941-1024	RNMS BASIC with 24 months warranty
510078	RW-9941-2024	RNMS PLATINUM with 24 months warranty
510079	RW-9941-3024	RNMS PLATINUM BACKUP Package with 24 months warranty
510080	RW-9941-4024	RNMS PLATINUM including RNMS PLATINUM BACKUP Package with 24 months warranty

SOFTWARE LICENSE FOR CAPACITY UPGRADES FOR RADWIN 5000 PRODUCTS

Anixter No.	Vendor No.	Description
510081	RW-9961-0510	RADWIN 5000 HSU; License Capacity Key from 5 Mbps to 10 Mbps
510082	RW-9961-1025	RADWIN 5000 HSU; License Capacity Key from 10 Mbps to 25 Mbps
510083	RW-9961-0525	RADWIN 5000 HSU; License Capacity Key from 5 Mbps to 25 Mbps

SOFTWARE LICENSE FOR CAPACITY UPGRADES FOR RADWIN 2000 PRODUCTS

Anixter No.	Vendor No.	Description
510084	RW-9951-1025	Software License key for capacity upgrade of A-series product from 10 Mbps to 25 Mbps

ANIXTER ipassured℠

Defining Network Video Migration

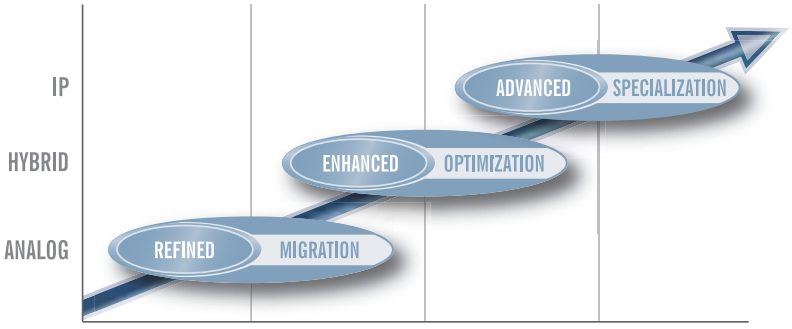


Define Your Network Video Migration Path

Through Anixter ipAssured℠: Defining Network Video Migration, you can pair leading technologies to create a migration strategy that supports your current and future video surveillance applications.

With Anixter ipAssured: Defining Network Video Migration, you can:

- Chart a migration path for your video network
- Make informed purchasing decisions about the products available in today's rapidly changing marketplace.
- Evaluate your existing video surveillance solutions with Anixter's Security HealthCheck℠



THE ANIXTER IPASSURED MIGRATION CONTINUUM

Helping you migrate from analog to network-based video surveillance solutions.

ANIXTER SECURITY HealthCheck℠

Learn about Anixter's ipAssured program by contacting your local sales representative or visiting **anixter.com/ipassured**.

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