UniPatch® GigE Series
Gigabit Ethernet Patch Panel

ADC has designed a professional broadcast-quality Gigabit (1000 baseT) patching system for demanding professional environments where frequent patching and higher density is required. The system features a high-density 32-port normal-through card frame system to ADC KRONE® Direct-Edge LSA-PLUS® termination system. Now you can patch Ethernet data properly using reliable durable military-grade jacks rated for 30,000 insertions/withdrawal cycles. The Cat 6 rated patch cords are keyed to ensure proper patching.

Compared to other systems employing light duty RJ45 connectors rated at fewer than 500 insertions/withdrawal cycles or bantam jacks that do not switch all signal lines, the UniPatch® GigE module is a significant advance in Ethernet and machine control patching.

The GigE system is a dense pack digital control interface patching system that provides test access, patch, cross-connect and monitor functions in 100 Ohm balanced transmission systems. It has a common signal format, bit rate, and operation up to Gigabit Ethernet (1,000 Mbits/sec). The UniPatch GigE system is the choice for carrier-class Ethernet patching where reliability is critical.

Features:

- Category 5e channel compliant
- High-density modular design, 32 circuits per panel
- Available with normal-through (patch by exception) or straight-through modules
- Modular LSA-PLUS® punch down backplane
- Keyed and highly reliable military-grade patch cords, rated to 30,000 cycles
- Available with an easily removable wire management bar
- Cable agnostic (works with any Cat 5e/Cat 6 cable)

SPEC SHEET

Gigabit Ethernet Jack Module

Features:

- Dense pack patching
- Minimum of 30,000 patch cycles
- Normal-through patch by exception
- Modular design (can be removed without disturbing adjacent circuits)
- Gold plated contacts on switches and card edge connectors
- Keyed opening for proper patch cord orientation

DM-GIGE

LSA-PLUS® 8-Circuit Backplane Module

Features:

- Patented LSA-PLUS termination system modules can be removed individually for easier wiring
- Number designation labels included
- Designation strip and window included for custom labeling
- Designed for solid or stranded wire
- Eliminates the need for additional connectors and connector labor
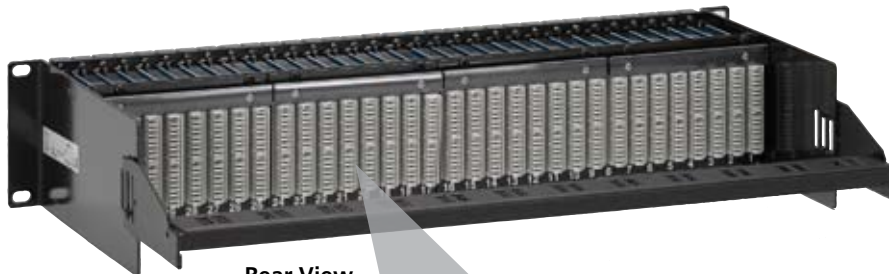
Rear View

VPRM-GIGE-LSA

UniPatch® GigE Series

Specifications

ELECTRICAL
Characteristic Impedance:	100 Ohms typical
Voltage Rating:	500 Volts AC @ 60 Hz with a trip current of 1 milliamp for 1 minute
NEXT:	Category 5e channel compliant
FEXT:	Category 5e channel compliant
Contact Resistance:	.02 Ohm maximum change post environmental
Insulation Resistance:	5000 Megohms minimum initial

MECHANICAL
Mechanical Durability:	30,000 cycles min (front port: dense pack); 50 cycles min (LSA slot)
Insertion Force:	7 lbs maximum
Withdrawal Force:	2 lbs minimum
Patch Cord Cable Bend and Twist:	500 cycles minimum
Dimensions:	2 rack unit

ENVIRONMENTAL
Thermal Shock:	-40°C to 65°C operating; -55°C to 85°C non-operating
Moisture Resistance:	0% to 95%; MIL-STD-202 Method 106
Corrosion (Salt Spray):	MIL-STD-202 Method 101, Test Condition B
Flammability:	UL 94-VO rated
Vibration:	MIL-STD-202 Method 201
Solvent Resistance:	MIL-STD-202 Method 215

FINISH
Sheetmetal Panel:	.075 CRS w/ protective black finish
Plastic Housings:	ABS/PC, deep blue color
Contact Springs:	50 microinch gold plating MIL-G-45204 Type 1
PC Board:	FR-4 with gold plated contacts
Card Edge Connector:	LSA-PLUS: Krone 17-position termination block

Ordering Information

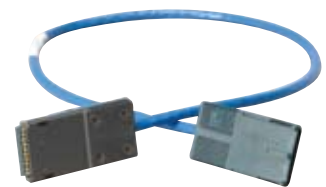| Description	Catalog Number
Gigabit Ethernet patch panel	
32-port GigE normalling patch panel	VP2232-GIGE
32-port GigE non-normalling patch panel	VP2232-GIGE-NN
Gigabit Ethernet jack module	
2-port GigE normalling jack module: PCB with green masking	DM-GIGE
2-port GigE non-normalling jack module: PCB with black masking	DM-GIGE-NN
Gigabit Ethernet LSA-PLUS backplane module	
Gigabit Ethernet LSA-PLUS 8-circuit backplane module	VPRM-GIGE-LSA
Gigabit Ethernet & RS422 Cat 6 patch cords (length)	
1.8 m (6 ft)	PC-GIGE-6
1.2 m (4 ft)	PC-GIGE-4
0.9 m (3 ft)	PC-GIGE-3
0.6 m (2 ft)	PC-GIGE-2
Chassis	
Empty chassis; color: black	VP2232-BK
Empty chassis; color: gray	VP2232-G
Accessories	
LSA insertion tool and handheld LSA block holder	DM-GIGE-TOOL-KIT
Handheld/rack mountable LSA block holder	DM-GIGE-TOOL
Cable bar	ADCCMR-A

ADCCMR-A   **DM-GIGE-TOOL-KIT**   **PC-GIGE-*X***

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Fax: +1-952-917-3237 • For a listing of ADC's global sales office locations, please refer to our website.