

# 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 Mb/s/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



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## 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

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## Specifications

### ELECTRICAL

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

### MECHANICAL

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

### ENVIRONMENTAL

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

### FINISH

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

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## Ordering Information

Description	Catalog Number
<b>Gigabit Ethernet patch panel</b>	
32-port GigE normalling patch panel	VP2232-GIGE
32-port GigE non-normalling patch panel	VP2232-GIGE-NN
<b>Gigabit Ethernet jack module</b>	
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
<b>Gigabit Ethernet LSA-PLUS backplane module</b>	
Gigabit Ethernet LSA-PLUS 8-circuit backplane module	VPRM-GIGE-LSA
<b>Gigabit Ethernet &amp; RS422 Cat 6 patch cords (length)</b>	
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
<b>Chassis</b>	
Empty chassis; color: black	VP2232-BK
Empty chassis; color: gray	VP2232-G
<b>Accessories</b>	
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

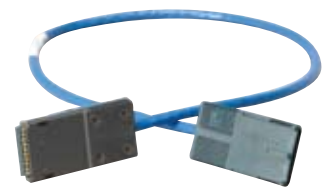
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ADCCMR-A



DM-GIGE-TOOL-KIT



PC-GIGE-X



### Website: [www.adc.com](http://www.adc.com)

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