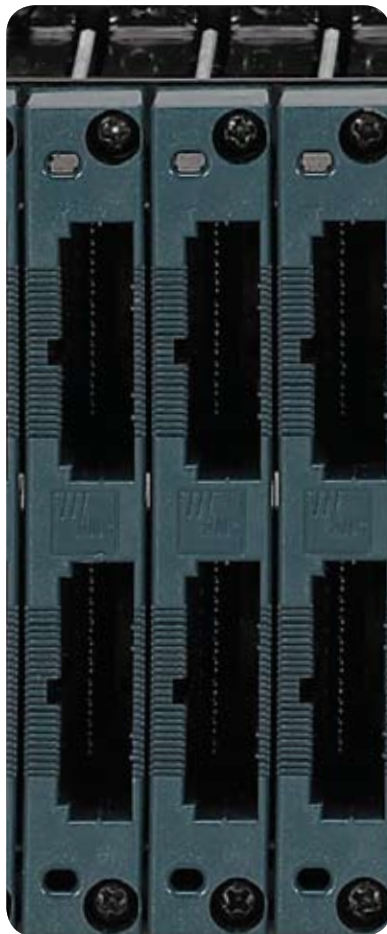


Data Connectivity Patching Systems



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Data Connectivity Patching Systems

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 Direct-Edge LSA-PLUS® termination system. Now you can patch Ethernet data properly using reliable durable military-grade jacks rated for 30,000 insertion/withdrawal cycles. The Category 6 rated patch cords are keyed to ensure proper patching.

Compared to other systems employing light duty RJ45 connectors rated at fewer than 500 insertion/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 Ω balanced transmission systems. It has a common signal format, bit rate, and operation up to Gigabit Ethernet (1,000 Mbps). 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)



VP2232-GIGE



Data Connectivity Patching Systems

UniPatch® GigE Series

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



VPRM-GIGE-LSA
(rear view)



Data Connectivity Patching Systems

UniPatch® GigE Series

Specifications

ELECTRICAL

Characteristic impedance:	100 Ω typical
Voltage rating:	500 Volts AC @ 60 Hz with a trip current of 1 mA for 1 minute
NEXT:	Category 5e channel compliant
FEXT:	Category 5e channel compliant
Contact resistance:	.02 Ω max change post environmental
Insulation resistance:	5000 MΩ min initial

MECHANICAL

Mechanical durability:	30,000 cycles min (front port: dense pack); 50 cycles min (LSA slot)
Insertion force:	7 lbs max
Withdrawal force:	2 lbs min
Patch cord cable bend and twist:	500 cycles min
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®: 17-position termination block

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Data Connectivity Patching Systems

UniPatch® GigE Series

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Ordering Information

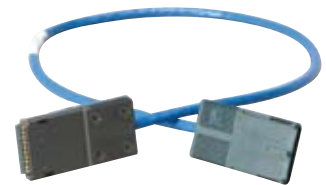
Description	Catalog Number
Gigabit Ethernet Panel	
32-port GigE normalling patch panel	VP2232-GIGE
32-port GigE non-normalling patch panel	VP2232-GIGE-NN
Gigabit Ethernet Jack Module	
2-port GigE normalling jack module: PCB with green masking	DM-GIGE
2-port GigE non-normalling jack module: PCB with black masking	DM-GIGE-NN
Gigabit Ethernet LSA-PLUS® Backplane Module	
Gigabit Ethernet LSA-PLUS® 8-circuit backplane module	VPRM-GIGE-LSA
Gigabit Ethernet and RS422 Cat 6 Patch Cords	
0.6 m (2 ft)	PC-GIGE-2
0.9 m (3 ft)	PC-GIGE-3
1.2 m (4 ft)	PC-GIGE-4
1.8 m (6 ft)	PC-GIGE-6
Chassis	
Empty UniPatch® chassis; color: black	VP2232-BK
Empty UniPatch® 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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Data Connectivity Patching Systems

Category 5e and 6 RJ Panels

Category 5e and Category 6 solutions are a fully integrated family of precisely tuned components each designed to operate at optimum performance with the other. These solutions are unmatched in data throughput and are supported by the most comprehensive and thorough warranty in the industry: the TrueNet® Zero Bit-Error warranty. The warranty guarantees that the structured cabling system will remain error free for a full 5 years and includes a 20-year electrical performance and free of defect warranty. The result is a remarkable advanced and high performing end-to-end channel guaranteed beyond the typical industry requirements to maximize network throughput and minimize downtime. Numerous component options are available for versatility and flexible adaptation to meet any infrastructure requirement.

Features

Coupler Panels

- Provides feed-through data and voice connectivity on the front and rear
- Extra heavy-duty frames
- .480" designation strips

RJ to IDC Panels

- 1 RU 24-port design provides high-density and flexibility. Available in 2 RU 48-port
- Wire can be terminated with either a LSA-PLUS® or 110 tool
- Rear wire manager included
- Designed to support gigabit Ethernet transmission speeds

RJ to IDC Dynamic Right/Left Angle Panels

- Patented right/left angle eases stress on patch cords allowing for easy cable management
- 45-degree silver-plated IDCs provide secure reliable gas-tight connections
- Wire can be terminated with either a LSA-PLUS® or 110 tool
- Universal A/B wiring label

Shielded Coupler Panels

- High-density 24 ports in 1 rack space
- Standard RJ patch panel interface
- Screened twisted pair connector interfaces and metal shielded panel design
- Gigabit Ethernet (1000 Base-T), T1/E1

Patch Cords

- Impedance matched patch cord for maximum throughput
- Patented AirES® technology
- Up to 28% smaller outer diameter than other patch cords
- UL 1863 listed and Category 5e and Category 6 performance verified



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Data Connectivity Patching Systems

Category 5e and 6 RJ Panels

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Ordering Information

Description	Catalog Number	Catalog Number
Coupler Panels		
	Category 5e	Category 6
1 RU 24-port patch panel; with designation strips	ADCPP24505-DES	ADCPP24606-DES
RJ to IDC Panels		
1 RU 24-port patch panel; silkscreen	6653 1 585-24	6653 1 677-24
2 RU 48-port patch panel; silkscreen	6653 1 585-48	6653 1 677-48
1 RU 24-port patch panel; fascia	6653 1 587-24	6653 1 679-24
2 RU 48-port patch panel; fascia	6653 1 587-48	6653 1 679-48
RJ to IDC Dynamic Right/Left Angle Panels		
1 RU 24-port right/left angle patch panel	PP24AC5ET	PP24AC6T
2 RU 48-port right/left angle patch panel	PP48AC5ET	PP48AC6T
Cable bar manager; black	ADCCMR-A	ADCCMR-A
Shielded Coupler Panels		
24-port ScTP (Screened Twisted Pair) RJ to RJ	ADCPP24RJ5E-S	ADCPP24RJ6-S
Patch Cords		
RJ45-RJ45 plug UTP T568B PVC patch cord	TP5ETA-XXYY	6645-2-78X-YY
RJ45-RJ45 plug UTP T568A PVC patch cord	TP5ETA0XXYY	6645-2-77X-YY
RJ45-RJ45 plug UTP crossover PVC patch cord	TP5ETACXXYY	6645-2-79X-YY

X = Color: 0 = White, 1 = Blue, 2 = Red, 3 = Yellow, 4 = Green, 7 = Gray
 YY = Length: 04 = 4 ft; 07 = 7 ft, 10 = 10 ft, 15 = 15 ft, 25 = 25ft, 50 = 50ft
 Contact ADC for custom lengths and colors.

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Data Connectivity Patching Systems

FireWire® Panels

ADC continues its leadership role in broadcast connectivity with the development of the 1394a FireWire® patch panel. The panel accommodates 24 ports in one rack unit and mounts in standard 19-inch racks. The panel offers customers a passive interconnection solution for their digital video editing needs. Industry-compatible six-pin IEEE 1394a connectors on both the front and rear of the panel allow customers to interconnect cameras, servers, workstations, and non-linear editing suites via FireWire at 400 Mbps bandwidth. The result is increased flexibility and productivity without sacrificing performance and reliability.

Features

IEEE 1394a FireWire Panels

- IEEE 1394a compatible six-pin connectors
- 400 Mbps bandwidth
- High-density, 24 ports in one rack unit
- Plated panel housing to facilitate superior shielding and grounding
- Designation and port numbering



VI-124-1394



VI-112-SB-1394

Ordering Information

Description	Catalog Number
IEEE 1394a FireWire Panels	
1 RU 24-port 1394a compatible FireWire patch panel	VI-124-1394
1 RU 12-port 1394a compatible Firewire patch panel	VI-112-SB-1394

Note: FireWire® is a registered trademark of the 1394 Trade Association

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