48-Port 2U Rackmount Cat6 Patch Panel, RJ45, UTP, 110 Punch-Down, Cat 6 Ethernet Patch Panel for Network Server Rack

Product ID: CPANEL48



This 48-Port 2U Cat6 Patch Panel provides a reliable way to route and manage Ethernet connections in rack-mounted network setups. It's designed for high-density environments like data centers and server rooms, where structured cable management and long-term performance are critical.

The 2U network patch panel features clearly numbered RJ45 ports and color-coded 110 punch-down blocks that support both T568A and T568B wiring. The intuitive layout helps simplify installation, keeps cable paths organized, and facilitates accurate fault isolation when troubleshooting.

A robust steel housing with a black powder-coated finish protects the rackmount patch panel in demanding environments. Gold-plated contacts ensure lasting signal integrity, and 110 punch-down terminals facilitate secure, fixed cable connections for stable Ethernet performance.

Certifications, Reports and Compatibility

Applications

• For installation in standard 19in network racks and cabinets

• Suitable for solid or stranded wire RJ45 Cat6/Cat5e Ethernet cables

• Supports 1000BASE-T Gigabit, 100BASE-TX, and 10BASE-T Ethernet applications

• Clearly numbered RJ45 ports make it easy to identify your cable runs

Features

• HIGH-DENSITY CONNECTIVITY: 48-Port UTP Cat6 Patch Panel offers a structured cabling solution with clearly labeled ports for organized, high-performance networking; Suitable for data centers, enterprise networks, and server rack installations

• DURABLE CONSTRUCTION: Sturdy 2U steel housing with black powder-coated finish for durability; Gold-plated RJ45 contacts ensure long-term signal integrity and corrosion resistance; 110 punch-down RJ45 terminals provide reliable, fixed wiring points

• RELIABLE PERFORMANCE: Supports 1 Gigabit and 10/100 Mbps Ethernet speeds for stable and uninterrupted data transmission; Engineered to meet ANSI/TIA-568-C.2 Cat6 specifications for consistent signal quality and minimal crosstalk

• SIMPLE INSTALLATION: Color-coded 110 punch-down blocks support both T568A and T568B wiring configurations for streamlined cable termination; Numbered RJ45 port layout simplifies setup, ongoing maintenance, and troubleshooting

• WIDE COMPATIBILITY: Compatible with all standard 19in network racks and enclosures; Supports solid and stranded Cat6 and Cat5e cables; Ideal for scaling LAN infrastructure or centralizing network cabling in high-density IT environments

General		
	UPC	065030915076
	Warranty	2 Years
Physical & Environmental		
	Color	Black
	Material	Steel
	Product Length	1.3 in [34 mm]
	Product Width	19.0 in [48.3 cm]
	Product Height	3.5 in [89 mm]
	Weight of Product	34.6 oz [980 g]
	Operating Temperature	0&degC to 70&degC (32&degF to 158&degF)
	Storage Temperature	-40&degC to 85&degC (-40&degF to 185&degF)
	Humidity	0% - 50%

Performance		
	Maximum Data Transfer Rate	1 Gbps
	Supported Protocols	1000BASE-T
		100BASE-TX
		10BASE-T
Hardware		
	Number of Ports	48
Packaging & In-the-Box		
	Included in Package	1 - Patch Panel
		1 - Product Documentation
		1 - Set of Screws and Nuts
	Package Width	3.0 in [75 mm]
	Package Depth	20.3 in [51.5 cm]
	Package Height	4.7 in [12 cm]
	Shipping (Package) Weight	3.3 lb [1.5 kg]

Product appearance and specifications are subject to change without notice.