

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

Hardware

Warranty	2 Years
Ports	48

Performance

Maximum Data Transfer Rate	1 Gbps
Supported Protocols	1000BASE-T 100BASE-TX 10BASE-T

Environmental

Operating Temperature	0°C to 70°C (32°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	0% - 50%

Physical Characteristics

Color	Black
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Material	Steel
Product Length	1.3 in [34 mm]
Product Width	19.0 in [483 mm]
Product Height	3.5 in [89 mm]
Weight of Product	34.6 oz [980 g]

Packaging Information

Package Length	3.0 in [7.5 cm]
Package Width	20.3 in [51.5 cm]
Package Height	4.7 in [12.0 cm]
Shipping (Package) Weight	3.3 lb [1.5 kg]

What's in the Box

Included in Package	1 - Patch Panel
	1 - Product Documentation
	1 - Set of Screws and Nuts

Warranty Information

Warranty	2 Years
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**Product appearance and specifications are subject to change without notice.*