

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&degC to 70&degC (32&degF to 158&degF)    |
| Storage Temperature   | -40&degC to 85&degC (-40&degF to 185&degF) |
| Humidity              | 0% - 50%                                   |

### Physical Characteristics

|       |       |
|-------|-------|
| Color | Black |
|-------|-------|

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

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#### Packaging Information

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

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#### What's in the Box

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

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#### Warranty Information

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