Cat6 48-Port Patch Panel, 1U

19-inch Rackmount Panel for High-density Installations, UTP, 180° Entry Punch-Down Blocks, for Solid Wire, Gold-plated Contacts, Aluminum, Black

Part No.: 721066

EAN-13: 0766623721066 | UPC: 766623721066

48-Port Cat6 UTP 1U Cat6 RJ45 Ethernet Patch Panel - Maximize Connectivity in Minimal Space

With its slim 1U installation height, this rack-mount patch panel from Intellinet Network Solutions combines solid and reliable terminations with a space-saving form factor. The numbered and labeled RJ45 ports allow for easy identification and organization of copper cables. A removable cable-management bar ensures a tidy installation, minimizing clutter and simplifying maintenance. IEC 60297 / EIA 310-compliant and compatible with all standard 19 in. / 482.6 mm racks, our patch panel is designed to seamlessly integrate into your existing network setup.

High-Quality Construction with UL 94 V-0 Flame Retardant Rating

Crafted with quality materials, this panel features 50 micro-inch gold-plated contacts, supporting 23 to 26 AWG solid wire. The anodized aluminum frame and cold-rolled SPCC steel bracket with antistatic powder coating ensure durability and reliability. It is ideal for advanced applications like HDBaseT and PoE up to IEEE802.3bt / PoE++ / 4PPoE / Ultra PoE. Enhancing safety measures, it has a flame-retardant rating in accordance with UL 94 V-0 and FR-4 standards, providing an extra layer of protection against fire hazards.

Features:

- Solid and reliable terminations with numbered and labeled RJ45 ports for copper cable
- 48 ports using only 1U of rack space for more connectivity

- Compatible with Krone punch-down tools
- Removable cable-management bar
- 50 micro-inch gold-plated contacts
- Supports 23 to 26 AWG solid wire
- IEC 60297 / EIA 310-compliant; compatible with all standard 19 in. / 482.6 mm racks
- Flame retardant rating in accordance with UL 94 V-0 and FR-4
- Ideal for HDBaseT and PoE applications up to IEEE802.3bt / PoE++ / 4PPoE / Ultra PoE
- For use with unshielded twisted pair (UTP) Cat6 network cable
- High-quality anodized aluminum frame and cold-rolled SPCC steel bracket with antistatic powder coating
- Standard 8P8C design, compatible with all network RJ45 connections
- Compatible and color-coded with T568A and T568B
- UL listed
- Lifetime warranty

Specifications:

Standards and Certifications
- RoHS
- ISO/IEC 11801
- IEC 60603-7-41
- Cat6 (ANSI/TIA-568-D)
- UL
- REACH
- UKCA

General
- Supports transfer speeds up to 10 Gbps over distances up to 180 ft. (55 m)
- Max. operating frequency: 250 MHz
- Supports all PoE standards up to IEEE802.3bt / PoE++ / 4PPoE / Ultra PoE
- Mating cycles: ≥750

Material
- Frame: aluminum
- Bracket: steel
- Contacts: phosphor bronze
- Contact plating: 50 micro-inch gold
- IDC: phosphor bronze with tin plating
- Flammability:
  - PCB: tested and rated in accordance with FR-4 and UL 94 V-0

Electrical
- Insulation resistance: ≥500 MOhm
- Dielectric withstanding voltage: 1,000 V DC/750 V AC
- Contact resistance: ≤20 MOhm

- DC resistance: ≥0.3 Ohm
- Current rating: 1.5 A

Physical
- Dimensions (L x W x H): 5 x 19 x 1.75 in. (127 x 482.6 x 44.4 mm)
- Net weight: 1.68 lbs. (760 g)
- Gross weight: 1.92 lbs. (870 g)

Environmental
- Operating temperature: 14 - 140°F (-10 - 60°C)
- Storage temperature: -40 - 158°F (-40 - 70°C)
- Operating humidity (non-condensing): 10 - 90% RH

Package Contents
- Cat6 48-Port Patch Panel, 1U
- 48 x cable tie
- Cage nut set (2 x cage nut, 2 x M6 screw, 2 x plastic washer)
- Instructions