

Category 6 unshielded network patch panel



Overview

Amazon.com: Cat6 Patch Panel Browse Cat6 patch panels for home and professional use. Support up to 10G speeds with durable steel construction and gold-plate.

Key Takeaways

Category 6 unshielded patch panels provide reliable interconnection for Gigabit Ethernet networks, supporting up to 48 RJ45 ports with T568A/B wiring compatibility and ANSI/TIA-568.2-D compliance.

Category 6 (Cat 6) unshielded patch panels are designed for 10/100/1000 Base-T Gigabit Ethernet applications and are compatible with standard UTP (Unshielded Twisted Pair) cables. They provide a centralized point for terminating network cables and organizing connections in a structured cabling system .

Key Features

- Port Configurations: Available in 12, 24, or 48 RJ45 ports, typically in 1U or 2U rack units .
- Termination Type: Rear 110-style IDC (Insulation Displacement Connector) punch-down blocks for fast and reliable cable termination .
- Wiring Standards: Supports both T568A and T568B wiring schemes, with color-coded labels for easy identification .

- **Performance:** Meets ANSI/TIA-568.2-D and ISO/IEC 11801 Class E standards, supporting frequencies up to 250 MHz, suitable for Gigabit Ethernet .
- **Compatibility:** Works with solid UTP Cat 6 cables (22–24 AWG) and is suitable for PoE, VoIP, and video applications .
- **Construction:** Heavy-duty steel or high-impact polycarbonate housing, often lead-free and RoHS2 compliant, ensuring durability and safety .
- **Additional Features:** Many models include silk-screened port numbers, paper label holders, cable management bars, and dust covers for organized and secure installations .

Applications

Cat 6 unshielded patch panels are ideal for:

- Enterprise and data center networks
 - Structured cabling systems in offices or commercial buildings
 - Supporting Power over Ethernet (PoE) devices
 - High-speed data transmission for Gigabit Ethernet and multimedia applications
- #### Installation Considerations
- Mounts in standard 19-inch racks.
 - Ensure proper cable management to maintain performance and reduce crosstalk.
 - Use compatible punch-down tools (110 or LSA+) for reliable terminations.
 - Verify adherence to wiring standards (T568A/B) to maintain network consistency.
- Category 6 unshielded patch panels provide a robust, standards-compliant solution for organizing and managing network connections, ensuring high-speed performance and long-term reliability .

Article Content

Primus Cable | CAT6 Patch Panels

What is a patch panel? CAT6 Ethernet Patch Panels offer a variation of port quantities and shielding options. Some panels come pre

16-port Cat6 Unshielded Patch Panel

These patch panels are certified for 250Mhz Category 6, which are perfect for Copper Gigabit Ethernet connections. TRENDnet's 16

TRENDnet 16-Port Cat6 Unshielded Patch Panel, TC-P16C6

TRENDnet's 16-port Cat. 6 Patch Panels are ideal for Ethernet, Fast Ethernet and Copper Gigabit Ethernet (1000Base-T) network

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