24-Port UTP Patch Panel — Unloaded

24 Keystone Openings | Cat5e / Cat6 / Cat6A Compatible | 19" Rack Mount | 1U



1. GENERAL DESCRIPTION

24-port unloaded patch panel is an empty, rack-mountable frame with twenty-four keystone openings, designed to be fitted with the keystone jacks of your choice. Because the panel contains no jacks, the same frame can be used for Category 5e, Category 6 or Category 6A UTP cabling simply by installing the matching jacks. It gives a flexible, cost-effective, tidy termination point for horizontal cabling in 19-inch racks and cabinets.

2. KEY FEATURES

- Unloaded design: choose the jack category and brand to match each project
- 24 keystone openings with secure snap-in retention for standard keystone jacks
- Sturdy cold-rolled steel frame, black powder-coated, with 19-inch mounting ears
- Clear port numbering (1–24) and label windows for easy identification
- Rear cable management bar to support cables and relieve strain
- Flat 1U design, compatible with standard racks and cabinets

3. APPLICATIONS

- Horizontal cabling termination in telecom rooms, data centres and equipment rooms
- Mixed-category installations and phased upgrades (replace jacks without changing the panel)
- Voice, data, CCTV / IP camera and PoE device connections

4. APPLICABLE STANDARDS

- EIA/ECIA-310-E — 19-inch rack mounting dimensions
- ANSI/TIA-568.2-D — Balanced twisted-pair cabling and connecting hardware (performance depends on installed jacks)
- ISO/IEC 11801 — Generic cabling for customer premises
- RoHS — [Compliant — Directive 2011/65/EU]

5. CONSTRUCTION & MATERIALS

Ports	24 keystone openings, unloaded (jacks sold separately)
Opening Size	[14.5 × 19.5 mm] standard keystone cut-out
Frame	Cold-rolled steel, [1.5 mm], black powder-coated

Labelling	Port numbers 1–24, with transparent icon / label windows
Cable Management	Rear cable support bar included
Colour	Black [RAL 9005]

6. MECHANICAL & ENVIRONMENTAL

Mounting	19-inch (482.6 mm) rack mount
Height	1U — 44.45 mm
Width (over ears)	482.6 mm
Operating Temperature	[-10 °C to +60 °C]
Storage Temperature	[-40 °C to +70 °C]
Relative Humidity	[10 % to 90 %, non-condensing]

7. JACK COMPATIBILITY

Installed Jack	Cable	Frequency	Typical Use
Cat5e UTP keystone	Cat5e UTP	100 MHz	1000BASE-T, PoE
Cat6 UTP keystone	Cat6 UTP	250 MHz	1000BASE-T, short 10GBASE-T
Cat6A UTP keystone	Cat6A UTP	500 MHz	10GBASE-T over 100 m

8. INSTALLATION & HANDLING GUIDELINES

- Terminate the cable on each keystone jack following the jack manufacturer’s instructions (T568A / T568B), then snap the jack into the panel opening.
- Mount the panel in the rack using four screws and cage nuts; leave clearance for cable bend radius at the rear.
- Untwist pairs by no more than 13 mm (0.5 in) at the termination point.
- Secure cables to the rear cable management bar with ties; do not over-tighten or crush the cable.
- Fit blank covers in unused openings, label each port and test every link after termination.