CORNIX

PRODUCT DATASHEET

CNX-DS-F16-001 · REV 1.0 · 17 OCTOBER 2026

PATCH PANELS & CONNECTIVITY · CAT6 UTP PATCH PANEL

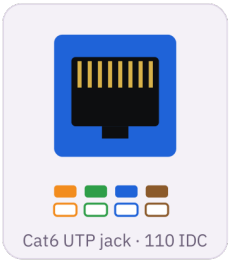
12-Port Cat6 UTP Wall-Mount Patch Panel, Loaded, 89D Bracket

CAT6 U/UTP · 12 PORTS · WALL-MOUNT · 89D BRACKET

PART NO. **CX-PP-C6-12-U-WM**

PRODUCT ILLUSTRATION





12 × Cat6 UTP jacks
Factory-loaded, ready to punch down

250 MHz · Class E
Gigabit Ethernet, IP CCTV, Wi-Fi

110 / Krone IDC
T568A / T568B colour-coded

89D wall bracket
Vertical or horizontal mounting

12 × Cat6	250 MHz	110 IDC	89D
UTP RJ45 PORTS, LOADED	BANDWIDTH · CLASS E	T568A / T568B	WALL-MOUNT BRACKET

OVERVIEW

Ready-to-terminate 12-port Category 6 patch panel for small telecom spaces where there is no rack. The panel is supplied loaded with twelve Cat6 UTP keystone jacks and mounts on an 89D-type wall bracket, vertically or horizontally, giving a clean, labelled termination point for up to twelve horizontal links.

- Loaded with 12 × Cat6 UTP keystone jacks — ready to punch down
- 110/Krone IDC, T568A/B colour-coded
- 50 µin gold-plated phosphor-bronze contacts
- 89D-type wall bracket — vertical or horizontal
- 1.2 mm SPCC steel panel, PC modules and seat

APPLICATIONS

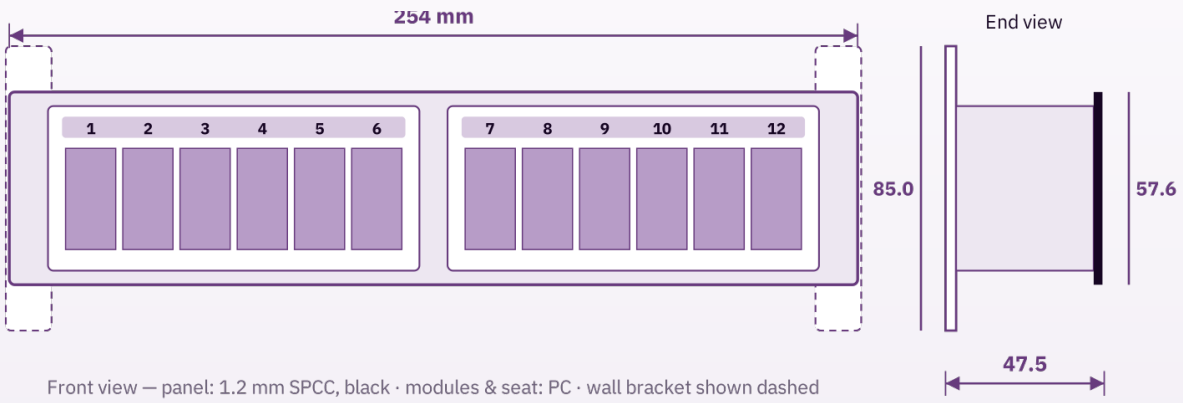
- Small offices, shops and apartments
- CCTV, Wi-Fi and access-control consolidation points
- Rack-free telecom closets and backboards

STANDARDS & COMPLIANCE

ANSI/TIA-568-C.2 Cat6 · ISO/IEC 11801 Class E · IEC 60603-7 · RoHS compliant

Technical Specifications

12-Port Cat6 UTP Wall-Mount Patch Panel, Loaded, 89D Bracket · CX-PP-C6-12-U-WM



Front view — panel: 1.2 mm SPCC, black · modules & seat: PC · wall bracket shown dashed

OUTLINE DIMENSIONS PER FACTORY DRAWING (MM) — JACKS FITTED IN ALL 12 PORTS

GENERAL

Product type	**Cat6 UTP patch panel, wall-mount, factory-loaded**
Port count	**12 × RJ45 (2 × 6-port modules)**
Category	**Category 6 / Class E, unshielded (U/UTP)**
Bandwidth	**Up to 250 MHz**
Applications	**10/100/1000BASE-T Ethernet, IP CCTV, Wi-Fi access points, VoIP**
Port identification	**Label window on each module, ports 1–12**

CONSTRUCTION

Panel	**SPCC cold-rolled steel, 1.2 mm, black painted**
Modules & seat	**PC (polycarbonate)**
Wall bracket	**89D-type stand-off bracket, white**

TRANSMISSION PERFORMANCE (CAT6 JACK)

Insertion loss (jack)	**≤ 0.20 dB @ 100 MHz · ≤ 0.32 dB @ 250 MHz**
NEXT (jack)	**≥ 54.0 dB @ 100 MHz · ≥ 46.0 dB @ 250 MHz**
FEXT (jack)	**≥ 43.1 dB @ 100 MHz · ≥ 35.1 dB @ 250 MHz**
Return loss (jack)	**≥ 24.0 dB @ 100 MHz · ≥ 16.0 dB @ 250 MHz**

ENVIRONMENTAL

Environment	**Indoor**
Operating temperature	**-10 °C to +60 °C**

KEYSTONE JACKS (CAT6 UTP)

Jack type	**Cat6 UTP keystone, 180° punch-down**
Termination	**110 / Krone IDC, T568A or T568B colour-coded**
Conductor size	**23–26 AWG solid or stranded**
Contacts	**Phosphor bronze, 50 µin gold plated**
Jack housing	**PC, UL 94V-0 rated material**
Mating durability	**≥ 750 plug insertions**
Plug insertion force	**≤ 20 N**
Jack colour	**Blue**

DIMENSIONS

Length	**254 mm (10 in)**
Panel width	**57.6 mm**
Bracket width	**85.0 mm**
Depth (with bracket)	**47.5 mm**
Net weight	**approx. 0.35 kg**

INSTALLATION

Mounting	**Wall or backboard on 89D bracket — vertical or horizontal**
Cable entry	**Behind the panel through the bracket stand-off; punch down at the rear of each jack**

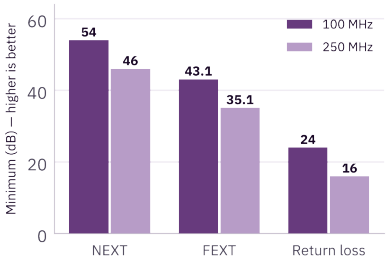
PACKAGING

Unit packing	**1 loaded panel + bracket + label inserts in PE bag, white box 265 × 95 × 57 mm**
Master carton	**40 pcs, 545 × 395 × 300 mm, approx. 16.8 kg**
Keystone jacks	**12 × Cat6 UTP, factory-installed**

Performance, Quality & Ordering

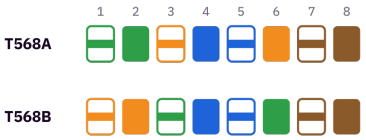
CX-PP-C6-12-U-WM

CAT6 JACK PERFORMANCE



Category 6 connecting-hardware limits (ANSI/ TIA-568-C.2).

T568A / T568B WIRING



Colour-coded IDC label on every jack; pins 1–8.

SUPPLIED WITH

- 1 × 12-port panel (2 × 6-port modules)
- 12 × Cat6 UTP keystone jacks, installed
- IDC caps
- 1 × 89D-type wall bracket
- Label inserts for ports 1–12

FINAL QUALITY INSPECTION

QUALITY INSPECTED

Inspection item	Requirement
Jack seating & orientation	All 12 jacks seated, same orientation
Contacts & IDC	Gold contacts undamaged; IDC caps present
Dimensions & keystone fit	Per drawing
Finish & color	Uniform black paint, no defects
Labeling & packing	Per CORNIX label system

Every loaded panel passes visual, fit and jack inspection before packing. Test installed links to Cat6 permanent-link limits after termination.

ORDERING INFORMATION

CX	PP	C6	12	U	WM
CORNIX	Patch panel	Category 6	12 ports	Unshielded (UTP)	Wall-mount (89D)

Part number	Description
CX-PP-C6-12-U-WM	12-Port Cat6 UTP Wall-Mount Patch Panel, Loaded, 89D Bracket

Request a quote or technical support

Datasheets, test reports and samples available on request

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