

Part Number: PL-PP48UU



1. GENERAL DESCRIPTION

A 19-inch, 2U unloaded patch panel providing 48 openings arranged in two rows of 24 for compatible PLANET unshielded keystone jacks. The panel is a passive mechanical mounting and cable-management component. It does not establish a Category 6 or Class E channel rating by itself; installed jacks, horizontal cable, patch cords, workmanship and final field testing determine the completed link/channel performance.

48 PORTS Two-row unloaded panel	2U HEIGHT 88.90 mm nominal	19-INCH 482.6 mm series	UNSHIELDED Keystone style
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2. PRODUCT HIGHLIGHTS

- 48 keystone openings arranged in two horizontal rows of 24; the identification layout shall match the approved drawing and supplied configuration.
- Designed for PLANET unshielded keystone jacks P/N PL-KE6UPD and PL-KE6UTL; other jack styles require mechanical-fit approval.
- Removable rear cable-management elements with tie locations for strain control and organized routing.
- Standard 482.6 mm (19-inch) rack/cabinet format in 2U nominal rack height.
- Unshielded architecture: no shield termination, shield continuity or screened-channel claim.
- RoHS compliance declared for the product; exact material documentation is available upon request.

TECHNICAL SPECIFICATIONS

48 PORT | 2U | UNLOADED

3. TECHNICAL SPECIFICATIONS

Parameter	Specified Requirement / Technical Scope
Product type	48-port unloaded / modular patch panel for unshielded keystone jacks
Part number	PL-PP48UU
Port capacity	48 ports in two rows of 24; identification layout per approved drawing / sample
Rack format	482.6 mm (19-inch) series; front rack/cabinet mounting
Rack height	2U nominal (88.90 mm); exact panel envelope per approved mechanical drawing
Compatible jacks	PLANET PL-KE6UPD and PL-KE6UTL unshielded keystone jacks
Port interface	PLANET keystone aperture; exact cut-out/retention dimensions controlled by the approved drawing and fit test
Panel construction	Metal frame with corrosion-resistant powder-coated finish; exact material, thickness and colour controlled by the approved order/drawing
Cable management	Removable rear cable-management elements with tie points; maintain cable bend radius and avoid over-tight ties
Port identification	Identification / label scheme for all 48 positions per approved drawing and supplied configuration
Shielding / bonding	Unshielded panel; no screened-jack bonding path or shield-continuity rating. Bond rack/cabinet only as required by project and local rules
Category / transmission	No standalone Category 6 electrical claim for the empty panel. Completed link/channel performance depends on installed connectivity and field test
PoE / remote power	Passive mounting component; no standalone current rating. Suitability depends on installed jacks, cable, bundling, ambient conditions and channel design
Installation environment	Indoor dry telecommunications room, rack or cabinet. No IP, outdoor, UV, plenum or flame-classification claim unless separately documented
Overall depth / weight	Controlled by the approved mechanical drawing and packing list; confirmation available upon request
Package contents	Unloaded panel and removable cable-management elements; jacks not included. Mounting hardware only if stated on the purchase order / packing list

4. STANDARDS AND TECHNICAL SCOPE

Reference	Status / Application
IEC 60297-3-100:2008	Mechanical reference for the 482.6 mm (19-inch) rack/panel interface
ANSI/TIA-568.2-E (2024)	Balanced twisted-pair cabling and component reference; applies to completed cabling/connectivity performance, not to the empty metal panel alone
ISO/IEC 11801-1:2017, including Amd 1:2025	Generic-cabling system reference; Class E performance requires compatible Category 6 components and verified installed-link/channel results
IEC 60603-7-4:2010	Category 6 unshielded 8-way connector reference for installed compatible jacks only
RoHS / REACH	RoHS compliant as declared for PL-PP48UU. Exact material declaration and any REACH statement shall identify the ordered part number and finish
UL / ETL / CE / CPR	No claim in the base datasheet without a valid document for the exact ordered part number and construction