

Part Number: PL-PP48SU



1. GENERAL DESCRIPTION

A 19-inch, 2U unloaded metal patch panel with 48 numbered keystone openings arranged in two rows of 24, a removable rear cable-management assembly and a grounding lead. It accepts the compatible PLANET jack models listed below. A shielded link/channel is obtained only when shielded jacks, shielded cable and shielded patch cords are correctly terminated and the panel/rack bonding path is installed and verified; unshielded jacks produce an unshielded link. Category/Class performance depends on the installed components, workmanship and final field testing.

48 PORTS Two-row unloaded panel	2U HEIGHT 88.90 mm nominal	19-INCH 482.6 mm series	SHIELDED Bonding provision
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2. PRODUCT HIGHLIGHTS

- 48 front-access keystone openings in two rows of 24 with sequential 1-48 identification and writable / replaceable label areas.
- Compatible PLANET jack models: PL-KE6UPD, PL-KE6UTL, PL-KE6AUTL, PL-KE6STL, PL-KE6ASTL and PL-KE7STL; other models require fit approval.
- Includes a removable rear cable-management assembly and grounding lead for organized routing and panel bonding.
- Standard 482.6 mm (19-inch) rack/cabinet format in 2U nominal rack height.
- Shielded-channel capability requires shielded jacks and end-to-end shield continuity; unshielded jacks do not create a shielded channel.
- RoHS compliance is declared for the product; exact material and bonding documentation is available upon request.

TECHNICAL SPECIFICATIONS

48 PORT | 2U | SHIELD-CAPABLE

3. TECHNICAL SPECIFICATIONS

Parameter	Specified Requirement / Technical Scope
Product type	48-port unloaded / modular metal patch panel with shield-bonding provision
Part number	PL-PP48SU
Port capacity	48 ports in two horizontal rows of 24; numbered 1 through 48
Rack format	482.6 mm (19-inch) series; front rack/cabinet mounting
Rack height	2U nominal rack height (88.90 mm); actual panel envelope shall follow the approved mechanical drawing
Compatible jacks	P/N PL-KE6UPD, PL-KE6UTL, PL-KE6AUTL, PL-KE6STL, PL-KE6ASTL and PL-KE7STL; verify fit / configuration
Port interface	PLANET keystone aperture; exact cut-out/retention dimensions controlled by the approved drawing and fit test
Panel construction	Conductive, corrosion-resistant metal frame; exact material, thickness, finish and bonding interfaces per approved drawing / sample
Cable management	Removable rear cable-management assembly with tie points; maintain cable bend radius and avoid over-tight ties
Port identification	Sequential 1-48 numbering with front label strips / identification areas
Shielding / bonding	Grounding lead included. Shielded operation requires shielded jacks / cable / cords, continuous termination and bonding to the designated rack / cabinet point. Unshielded jacks produce an unshielded link. Verify continuity after installation; details per approved drawing / sample
Category / transmission	Empty panel has no standalone Category claim. Declared Category / Class depends on installed components and verified permanent-link / channel 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	Per approved mechanical drawing and packing list; confirmation available upon request
Package contents	Unloaded panel, rear cable-management assembly and grounding lead; jacks not included. Hardware only per 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 reference; declared Class depends on compatible installed components and verified link / channel results
ANSI/TIA-607-E (2024)	Bonding / grounding reference for installed rack, panel and shielded connectivity; follow project design and local rules
RoHS / REACH	RoHS compliant as declared for PL-PP48SU. 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