Rack Mount Patch Panel ODU-L72

72-Core Modular Sliding 19-Inch Optical Distribution Enclosure

Model: ODU-L72 Prefix: T-DCS-RMP-0149 Category: Optical Patch Panels



Overview

The Optowire ODU-L72 is a heavy-duty, modular 19-inch rack-mount fiber optic distribution panel engineered for high-density indoor splicing, distribution, and cable management. Built from premium cold-rolled steel, the 4U chassis features a sliding drawer mechanism with up to six interchangeable splice trays supporting up to 72 fiber terminations. The internal layout is engineered to maintain strict optical bend radius control throughout routing channels, preventing macrobending loss and ensuring signal integrity. Interchangeable front adapter faceplates support SC, FC, and LC interfaces, offering versatile deployment options for telecommunication rooms, enterprise networks, and data center cross-connects.

Features

- Standard 19-inch rack-mount form factor (4U height) with rugged cold-rolled steel construction
- Sliding/drawable tray mechanism provides convenient front-access for installation and maintenance
- Accommodates up to 6 modular splice trays with total capacity of up to 72 cores (scalable from 12 to 96 cores)
- Universal internal routing geometry designed for both ribbon fiber and discrete loose-tube fibers
- Strict internal fiber bend radius management avoids extra optical attenuation and signal degradation
- Interchangeable front faceplate panels support SC, FC, and LC adapter interfaces
- Clear, durable front-panel silk-screened numbering for quick port identification and tracing
- Configurable empty or pre-loaded with factory-tested optical adapters and pigtails

Applications

- Telecommunications central office (CO) and optical distribution networks (ODN)
- Data center fiber cross-connect and high-density distribution frames
- FTTx indoor distribution, breakout, and splice-patch hubs
- Enterprise local area network (LAN) fiber optic backbone termination
- Industrial network fiber splice protection and cable management

Packaging Information

Parameter	Min	Typ	Max	Unit	Notes
Carton QTY		1 pcs/ctn			
Carton Dimensions		20.5 × 45 × 32 mm			
Carton Weight		6.8 kg			

Category attributes

Parameter	Specification
Connector Type	Simplex
Capacity (Cores)	72
Panel Height (U)	4U
Patch Panel Type	Rack Mount
Product Dimension	430x300x185 mm

Mechanical Specifications

Parameter	Min	Typ	Max	Unit	Notes
Mounting Standard		19-inch Rack Mount			Standard EIA-310 compatible
Chassis Height		4		U	Approx. 185 mm
Chassis Width		430		mm	Body width excluding mounting ears
Chassis Depth		300		mm	
Chassis Height		185		mm	
Structure Type		Sliding / Drawable			Telescopic drawer mechanism
Housing Material		Cold-Rolled Steel			Powder-coated finish
Housing Color		Grey			Industrial finish
Net Weight		6.8		kg	
Gross/Package Weight		7.5		kg	

Capacity & Optical Configuration

Parameter	Min	Typ	Max	Unit	Notes
Standard Core Capacity		72		Cores	Supports 12 to 96 cores optional
Splice Trays Included/Max			6	pcs	12 cores per tray typical

Compatible Adapter Interfaces		SC, FC, LC		Simplex / Duplex configurations
Fiber Compatibility		Ribbon and Single Fiber		Singlemode (OS2) and Multimode (OM1-OM5)
Fiber Bend Radius	30		mm	Controlled throughout tray and routing guides

Notes

- Units can be ordered as bare chassis or fully loaded with factory-installed adapters and color-coded pigtails.
- Internal fiber management spools and splice protector sleeves are included in standard packaging.
- Custom front panel configurations for hybrid adapter types are available upon request.

Ordering information

Standard Part Number Prefix: T-DCS-RMP-0149. Order format: T-DCS-RMP-0149-[CoreCount]-[AdapterType]-[FiberType]-[PigtailOption] (e.g., T-DCS-RMP-0149-72-SC-SM-P for 72-core loaded with SC/UPC single-mode adapters and pigtails; T-DCS-RMP-0149-72-UNLOADED for empty chassis).

Branding: https://optowire.net