

144 Core Super-high Density MPO Patch Panel

Description

1U-19 inch MPO/MTP High-Density rack-mount fiber patch panel is designed for large data center room: MDF application, IDF wiring area optical fiber backbone connection, the fiber distribution unit management, and other the high-density integrated optical fiber environment etc. It is installed in 19 inch racks and cabinets.

1U 19inch MPO/MTP Patch Panel could load 12 Pre-connected cassette module, and the maximum capacity can be managed is 144 cores for LC interface. Each independent pre-terminated module box is placed in the optical fiber distribution frame, to complete the full set patch panel.



Application

- Optical fiber communication dense wiring system between buildings
- Optical link interconnection in optical active equipment for LAN cabling
- Telecommunication base station
- Data center room of industrial area
- Data center room of commercial building
- CATV
- LAN
- WAN
- FTTX

Features

- ◆ Installed in 19 inch rack-mount and cabinet, application for cassette modules centralized management.
- ◆ 1U high-density size capacity 144 fibers for LC interface
- ◆ 2U high-density size capacity 288 fibers for LC interface
- ◆ 4U high-density size capacity 576 fibers for LC interface
- ◆ Male or Female MPO/MTP connector are available. Connected and positioned by PIN and adaptor to achieve precise and high stable connection.
- ◆ Modular design, plug-in locking structure, the fiber has a clear line sequence identification, easy to test, install, remove and adjust the mating.
- ◆ Sturdy and durable, electrostatic coating surface after the Strict production process.
- ◆ The cassette module and patch panel are small in size, lightweight, impact-resistant, high-pressure, flame-retardant, corrosion-resistant, strong structure to protect the internal optical fiber.

Parameter

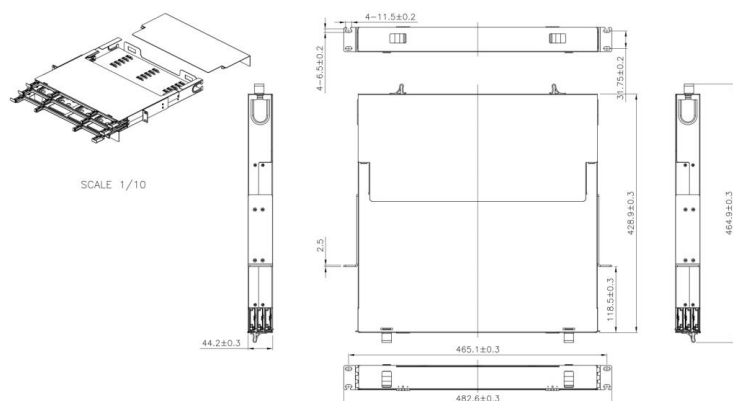
Fiber type	SM (G652, G655,G657); MM (OM1-OM5)	
Connector	Male(with PIN) , Female (without PIN)	LC
	MPO/MTP	
Insertion loss (dB)	Standard: ≤0.35/0.7 (Typical/Max) Low Loss: ≤0.2/0.35 (Typical/Max)	≤ 0.3
Return loss (Min)	APC SM:60dB PC MM: 20dB	UPC SM: 50dB APC SM: 60dB UPC MM: 25dB
Test Wavelength (nm)	SM: 1310/1550 MM: 850/1300	
Repeatability	≤ 0.1dB	
Durability	≤ 0.2dB	
Interchangeability	≤ 0.2dB	
Bending radius (Dynamic/static)	20/10	
Product name	Racks	Cassette module
Size (L*W*H)	482.6*428.9*44.2mm	93*143*11.85mm
Product model	TK-HRS-1144A	TK-HRM-01
Material	1.2mm Cold-rolled steel	

Packaging

Box size	Weight per carton (kg)
560*545*185mm	8.6

Structure

Racks: TK-HRS-1144A



Cassette module: TK-HRM-01

