

1U 19" Rack-Mount PLC Splitter

Description

The Carrier-Grade Rack-Mount Planar Lightwave Circuit (PLC) Splitter is a high-density optical management solution designed for seamless signal distribution in modern fiber networks. Housed in a 1U 19-inch standardized chassis, it provides a "plug-and-play" interface to split optical signals from a single input to multiple endpoints with high precision and minimal signal degradation. It is engineered for reliability in GPON, EPON, and FTTH environments.

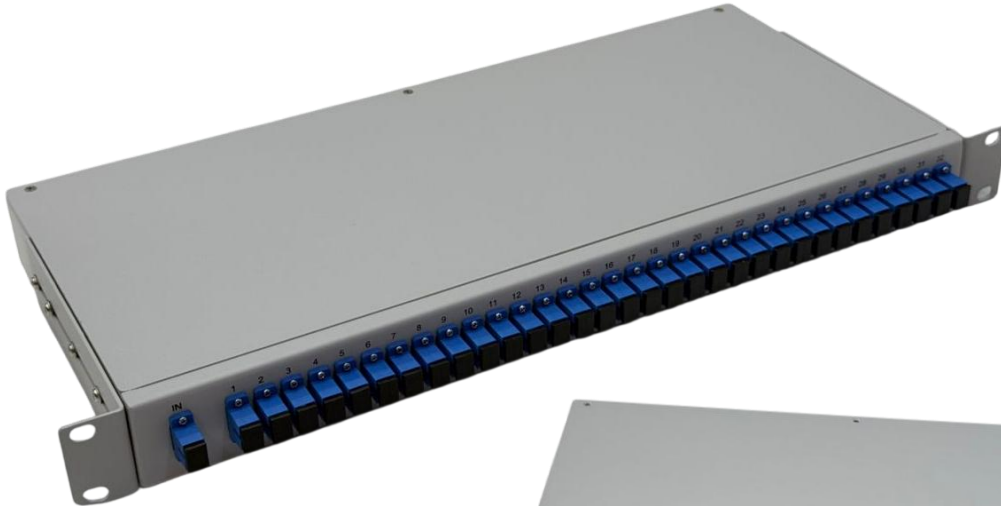
Feature

- **High-Density Integration:** Standard 1U 19" rack-mount design ensures compatibility with universal server cabinets while optimizing vertical space.
- **Precision Engineering:** Utilizes PLC technology for uniform power splitting across all output ports.
- **Enhanced Durability:** Constructed with a cold-rolled steel enclosure to protect internal optical components from physical damage and environmental factors.
- **Signal Integrity:** Optimized for Low Polarization Dependent Loss (PDL) and high return loss to maintain stability across varying wavelengths.
- **Flexible Connectivity:** Equipped with premium SC/UPC or SC/APC adapters to ensure low back-reflection.

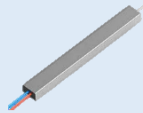
Specification

Feature	Specification
Fiber Type	G.657.A1 (High bend-insensitivity)
Operating Wavelength	1260nm to 1650nm
Configuration	1x2, 1x4, 1x8, 1x16, 1x32 (Standard)
Insertion Loss	≤ 17.0 dB
Uniformity	≤ 1.5 dB
Return Loss	≥ 50 dB (UPC) ≥ 55 dB (APC)
PDL	Low Polarization Dependent Loss
Chassis Material	Heavy-duty Cold-Rolled Steel
Dimensions	19" Width x 1U Height 430mm (W) x 44mm (H) x 210mm (D)

Product Appearance



Accessory List

Item	Description	Qty	Picture
1	SC Adapter	Up to 34 pcs	
2	Splitter Case	1 pc	
3	TimedotCom Silkscreen	1 pc	