WDM PON GXSPON

WDM PON GXSPON

Variants

UPC APC

Details

WDM PON Module (GPON + XGS-PON + NG-PON2) – APC / UPC

The WDM PON Module is designed to combine and separate GPON, XGS-PON, and NG-PON2 signals over a single optical fiber. It supports multiple PON technologies in one compact LGX plug-in module, making it suitable for modern FTTH and telecom network deployments.

Available with SC/APC or SC/UPC connector options, this module offers low insertion loss, high isolation, and reliable optical performance for stable network operation.

Category	Specification
Product Type	WDM PON Module (GPON + XGS-PON + NG-PON2)
Form Factor	LGX / Plug-in Type
Application	Combines and separates GPON, XGS-PON, and NG-PON2 over a single fiber
Ports	4 Ports (Comm, GPON, 10G GPON, NG2)
Connector Type	SC/APC or SC/UPC (Optional)
GPON Wavelength	1310 nm / 1490 nm
XGS-PON Wavelength	1270 nm / 1577 nm
NG-PON2 Wavelength	1596 – 1603 nm

Category	Specification
Insertion Loss	? 1.0 dB
Return Loss	? 50 dB (APC), ? 45 dB (UPC)
Isolation	? 30 dB
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Dimensions	Standard LGX (~130 × 100 × 25 mm)
Material	Aluminum / Steel Black Enclosure
Mounting Type	Rack Mount / Chassis Compatible
Compliance	ITU-T G.984 / G.987 / G.989

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