

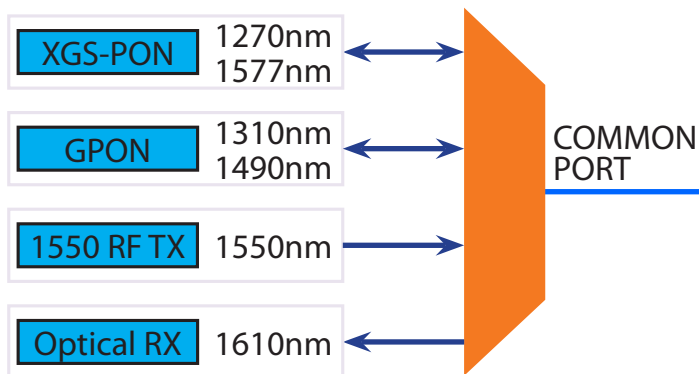
Description

On a Single Fiber: Multicom's 10 GHz XGS-PON/GPON/RFoG WDM filter module is a single WDM device used to combine current GPON FTTH services with emerging XGS-PON.

Thin film technology is designed to allow XGS-PON wavelengths (1270/1577nm), GPON wavelengths (1310/1490nm), and RFoG wavelengths (1550/1610nm) to coexist on a single fiber.

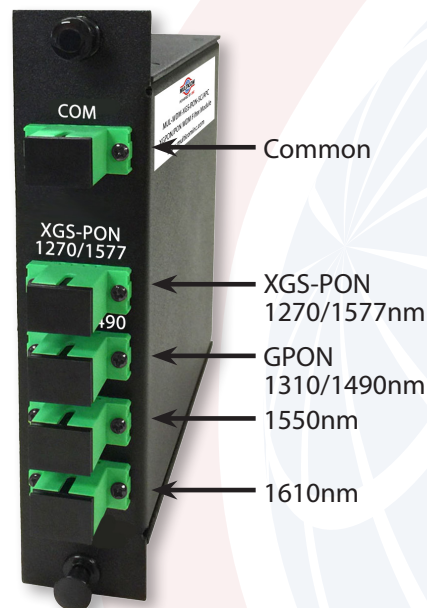
Additional provisioning wavelengths with the Coexistence Element include OTDR monitoring.

Premium optical components and high-quality connectivity ensure superior performance, the lowest loss, and robust network reliability. This WDM is available in an LGX module with SC/LC / APC/UPC connectors.



Features

- On a single fiber: XGS-PON, GPON, and RFoG wavelengths
- Low insertion loss
- High isolation
- Low Polarization Dependent Loss (PDL)
- Compact LGX design
- Excellent channel-to-channel uniformity
- Wide Operating Wavelength: 1260-1625nm



Protocol / Service	Spectral Range	Max Insertion Loss	Isolation
XGS-PON	1260-1280 & 1575-1581nm	0.8dB	≥30dB
GPON	1290-1330 & 1480-1500nm	1.1dB	≥30dB
RF TX Video	1550-1560nm	1.4dB	≥30dB
Optical RX	1610-1625nm	1.6dB	≥30dB
Parameter	Specification		
Optical Power	300 mW Max		
Fiber Type	Corning Ultra Fiber (G657.A1)		
Connector Types	SC/APC, SC/UPC, LC/APC, LC/UPC		
Polarization Dependent Loss (PDL)	≤ 0.15dB		
Directivity	≥ 50dB		
Return Loss	≥ 45dB		
Operating / Storage Temp	-10~+70°C (14~158°F) / -40~+85°C (-40~185°F)		
Dimensions (LxWxH)	129 x 29 x 130mm (5 x 1.1 x 5.1in)		
Compliance	GR-1209-CORE and GR-1221-CORE standard, ITU-T G.984.5		

MUL-WDM-XGS-PON-XX/XXX - SC/LC / APC/UPC