

## FEATURES

- Optical module with two XGS-PON OLT channels (XGS-PON1 and XGS-PON2)
- Dual, single fiber bi-directional data links with symmetric 9.953 Gbps
- Both XGS-PON signals are in Wavelength Division Multiplex mode
- 1577 nm continuous-mode transmitter with EML laser
- 1270 nm burst-mode receiver with APD-TIA
- 2-wire interface for integrated digital diagnostic monitoring
- Digital receiving signal strength indication (RSSI)
- SFP+ MSA package with duplex LC receptacle optical interface
- Single +3.3 V power supply
- Below < 4 W power consumption
- Extended Industrial Temperature: -20° to +85°C (-4° to +185°F)

CommScope's cost-effective optical transceivers are designed for Gigabit Passive Optical Network (GPON) systems. The transceivers integrate bi-directional data transmission over one single-mode optical fiber (SMF). The transceiver designs are optimized for high performance and to supply customers with the best solutions for their telecommunication network designs.

The XGS-PON OLT Small Form-factor Pluggable (SFP+) transceiver provides a symmetric 9.953 Gbps upstream and 9.953 Gbps downstream data rate and supports links of up to 40 km via an LC/PC connector.



SPECIFICATIONS

Characteristics	Specification
<b>Physical</b>	
Dimensions, L x H x W	6.4 cm x 1.75 cm x 1.35 cm (2.52 in x 0.69 in x 0.53 in)
Weight	0.05 kg
<b>Environmental</b>	
Operating Temperature Range	-20° to +85°C (-4° to +185°F), extended temperature
Storage Temperature Range	-40° to +85°C (-40° to +185°F)
Relative Humidity	85%
<b>Optical Characteristics</b>	
Damage Threshold for Receiver	0 dbm
Bit Rate for Tx (1577 nm)	9.953 Gbps
Bit Rate for Rx (1270 nm)	9.953 Gbps
N2 Class Optical Characteristics, XGS-PON 1 and XGS-PON 2	9.953 Gbps TX operating wavelength: 1575 nm min; 1577 nm Typical; 1580 nm max
N2 Class Optical Characteristics, XGS-PON 1 and XGS-PON 2	9.953 Gbps RX operating wavelength: 1260 nm min; 1270 nm Typical; 1280 nm max
N2 Class Receive Sensitivity, XGS-PON 1 and XGS-PON 2	-28 dbm
ITU-T G 9807.1 Class N2	
<b>Powering</b>	
Power Supply Voltage	3.15 V min; 3.3 V Typical; 3.45 V max
Total Power Consumption	< 4 W max

ORDERING INFORMATION

Model Name	Part Number	Description
<b>SFP</b>		
PON Evo SFP+ OLT XGS DD N2 E-TEMPS	SFP-DD-XG-N2-ET	SFP+ OLT XGS-PON DD Class N2 Extended Temp
<b>Related Products</b>		
PON Evo 1600 Series 1 RU SHELF OLT	OLT-16-1RU	Shelf OLT 1RU 16x XGS-PON+16x GPON/32x XGS-PON/32x GPON
PON Evo Modular OLT Series Line Card	OLT-GS16-MPM	Modular OLT Series 16x MPM Port Line Card

Contact Customer Care for product information and sales:

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**Note:** Specifications are subject to change without notice.  
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