

XG optical module parameters



Overview

The Optical transceiver module is designed for low-cost point-to-multipoint (P2MP) Fiber to the Home (FTTH), Business or Curb (FTTx) applications. It employs a 1577nm CW mode downlink EML operating at 9.953Gbps. The XGPON OLT SFP+ transceiver provides an asymmetric 9.488G downstream, reaching a link up to 20km over SMF via SC/UPC connector. It is fully compliant with ITU-T G.2 and is ideal for asymmetric 10-Gigabit capable passive optical network (XG-PON) system. Supporting 20km over single-mode fiber with 1577/1270nm wavelengths, this module delivers 33. The XGSPON Combo OLT Small Form-Factor Pluggable, a single compact SFP+ module. Designed for smooth network evolution, it enables operators to serve GPON and XGSPON users simultaneously excellent optical sensitivity. It integrates easily into major OLT platforms, supporting flexible deployments across SI trigger input, active high. The metallic package guarantees excellent EMI and EMC.



Article Content

Jul 05, 2025

XG-PON1 ONU Optical Transceiver SFP+ Module

Ordering Information eiver is designed for XG-PON1 transmission. The module incorporates 2.48832Gb/s 1270nm burst-mode transmitter and .95328Gb/s 1577nm continuous-mode receiver. An

Oct 02, 2025

XG-PON& GPON Combo OLT SFP+ 1577nm-Tx/1270nm-Rx and

Description The Combo XGPON OLT optical module is inserted on the single board of the Combo XGPON OLT device, which can provide users with a symmetrical bandwidth with a maximum uplink

Mar 23, 2026

Ubiquiti Fiber XG/XGS Optical Transceiver-Modul

Bestellen Ubiquiti Fiber XG/XGS Optical Transceiver-Modul. Preis von 270.25 EUR. Lieferung weltweit! Bewertungen, Garantieverlängerung. ☎ +49 2131 266 9600.

Jul 31, 2025

Airlive XG_XGS_GPON Combo OLT SFP+ N2_C+_SpecSheet

The XG(S)PON/GPON Combo OLT SFP+ Transceiver module is designed for triple play use, supporting XGS-PON, XG-PON and GPON transmissions up to a 20km distance. It incorporates a High power

Nov 11, 2025

XGS-PON& GPON Combo OLT SFP+ Class D 20km DOM SC SMF Optical

Description The 10G-TX/10G(2.5G)-RX & 2.5G-TX/1.25G-RX transceiver module is specifically designed for 10-Gigabit-capable Symmetric Passive Optical Network (XGSPON& GPON) system. It integrates

Mar 14, 2026

XGPON OLT SFP+ Class N2 20km DDM SC SMF Optical

Description The XGPON OLT SFP+ transceiver provides an asymmetric 9.953Gbps upstream and 2.488G downstream, reaching a link up to 20km over SMF via SC/UPC connector. It is fully

Apr 08, 2026

GPON vs. XG-PON vs. XGS-PON: A Comprehensive

The Three-Mode Combo Optical Module supports GPON, XG-PON, and XGS-PON ONUs, while the Two-Mode Combo supports only GPON and XG

Nov 28, 2025

What are the Main parameters of the optical transceiver modules ...

by Main parameters of the optical modules 1. Transmission rate The transmission rate refers to the number of bits transmitted per second in units of Mb/s or Gb/s.

Sep 16, 2025

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM Duplex LC SMF Optical Transceiver Module Applicable to data center and campus networks, enabling cost-effective, efficient, and high

Oct 12, 2025

Configuration Guide for Cisco NCS 1001, IOS XR

When you plan to replace a configured optical module with a different type of optical module, you must clear the configurations of the old module before

Dec 18, 2025

XG-PON1 OLT Optical Transceiver SFP+ Module

Ordering Information RTX266-704 product is designed for OLT module based on XGPON N1 technology. The product is an integrated module containing a micro-optic component and

Nov 05, 2025

XGSPON OLT/ONU Optical Transceiver Modules | AscentOptics

XGS-PON is an advanced GPON and XG-PON technology that allows mixed GPON, XG-PON and XGS-PON ONU access, the uplink/downlink rate is 10G/10G - AscentOptics.

Mar 23, 2026

GPON vs. XG PON vs. XGS PON: Which PON

Passive Optical Network (PON) technology has evolved significantly over the years to meet the increasing demands for high-speed and efficient

Sep 10, 2025

XG-PON OLT Class N2a SFP+ 20km | 10G FTTH | EDGEOPTIC

Our XG-PON OLT SFP+ transceiver utilizes DFB (Distributed Feedback) laser for transmission and APD (Avalanche Photodiode) for receiving, delivering asymmetric data rates of

Jan 02, 2026

XGS-PON& XGPON OLT N1/N2/E1 SFP+ Optical Transceiver

Hot-pluggable capability High power 1577nm EML LD High sensitivity 1270nm APD Support XGS-PON or XG-PON 20km application with SMF RX_SD indication Low EMI and excellent ESD protection

Jun 20, 2026

XG-PON and XGS-PON: Understanding the Principles

XG-PON and XGS-PON offer higher bandwidth than GPON. Unlock the principles and uses of XG-GPON and XGS-PON, giving you an in-depth

Nov 05, 2025

Ubiquiti Fiber XGS/XG Optical Transceiver | Getic

The UISP Fiber XGS/XG Optical Transceiver, model UACC-UF-OM-XGS, by Ubiquiti, is an advanced optical transceiver engineered to provide high-speed

May 31, 2026

Exploring 10G PON Modules: XG-PON vs XGS-PON vs

XG-PON, XGS-PON, and 10G EPON modules differ in data rates, symmetry, wavelength allocation, and more. The table below provides a clear

Dec 15, 2025

XG-X Training Videos:Getting Started | KEYENCE America

XG-X Training Videos:Getting Started XG-X Training Videos Getting Started Software Functions Getting Started Assembly and Installation Component descriptions, step-by-step assembly, and wiring

Sep 22, 2025

Airlive XG(S)_OLT SFP+ N1_SpecSheet

The Optical transceiver module is designed for low-cost point-to-multipoint (P2MP) Fiber to the Home (FTTH), Business or Curb (FTTx) applications. It employs a 1577nm CW mode downlink EML

Jul 09, 2025

H3C SFP-XG-LX-SM1330-BIDI Optical Module Sample Test Report

H3C offers the SFP-XG-LX-SM1330-BIDI optical module, which supports 10G Ethernet transmission up to 10 km over single-mode fiber.

Jan 12, 2026

XGSPON: The “Fiber Powerhouse” of Symmetrical 10G

XGSPON (10G-EPON), an advanced Passive Optical Network (PON) technology, has become the ideal choice for modern fiber-optic access networks

Jan 01, 2026

XG-PON& GPON Combo OLT SFP+ 1577nm-Tx/1270nm-Rx and

The XG-PON& GPON Combo OLT Small Form-Factor Pluggable uplink 10G and downlink rate of 2.5G via SC connector, reaching a link up to 20km. The Combo XGPON OLT optical module integrates

Nov 30, 2025

XGSPON N2 & GPON C+ Combo SFP+

ly—without hardware changes. Fully compliant with ITU-T G.984.5 (2014)/Amd.2 (10/2020) standards, this hot-pluggable module delivers high reliability, low power consumption, and.

Jun 29, 2025

PON Module Parameters Guide: How to Choose the

Discover key PON module parameters for selecting the best GPON and EPON modules. Understand their impact on network performance and make

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