Xg interface GE optical module

Overview

An eight-port optical line terminal that can deliver 10 Gbps uplink/downlink speeds to over 2,000 subscribers.

Key Takeaways

XG optical modules are generally not compatible with standard GE (1 Gigabit Ethernet) ports; compatibility depends on the device and vendor specifications.Key Points on Compatibility
• Vendor Restrictions: Some devices, such as Huawei eKitOptiX F1002-AC-H1, explicitly do not support GE/10GE optical modules in conjunction with their ports and recommend using vendor-approved modules instead (BOM code 34060599) for proper operation .

• Device-Specific Support: Certain network devices, like the Calix E7-2 AXOS XG801 line card, support both GE and 10GE SFP+ modules, but each interface must match the module type. The card provides SFP+ interfaces that are mechanically compatible with SFP modules, allowing 1GE or 10GE operation, but XG modules cannot be used in standard GE-only ports .

• Discontinued Modules: Some XG and GE optical modules, such as XG-LR-SM1310 and XG-SR-MM850, have been officially discontinued, which may limit options for upgrading or replacing modules in existing GE devices .
Practical Implications
• Do not insert XG modules into standard GE ports unless the device explicitly supports mixed-speed operation. Doing so may result in non-functioning links or hardware incompatibility.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

• Check vendor documentation for supported optical modules for each device. Many vendors provide a list of compatible SFP/SFP+ modules to ensure proper operation.

• Consider upgrades: If higher-speed connectivity is required, upgrading the device to a 10GE-capable interface or using a compatible transceiver is recommended. In summary, XG optical modules cannot be used in standard GE ports unless the device explicitly supports it, and using non-approved modules may void warranties or cause operational issues. Always refer to the vendor's compatibility list before deployment.

Article Content

What are the differences between h3c optical modules

Users should consider the actual transmission distance when choosing.If the transmission

Support

You can choose optical modules as needed for data transmission over optical fibers. The optical modules include optical

XG-SFP-SR-MM850 10GBASE-SR SFP+ 850-nm 300

The XG-SFP-SR-MM850 is aligned to IEEE 10GBASE-SR optical specifications

H3C SFP-XG-LX-SM1310-E Datasheet

This H3C SFP-XG-LX-SM1310-D is a high performance and cost effective SFP+ transceiver module supporting data-rate of

H3C SFP-XG-SX-MM850 Datasheet

This H3C SFP-XG-SX-MM850 SFP+ transceiver supports up to 400m link lengths over OM4 MMF (300m over OM3 MMF) via an LC

Fiber XGS/XG/G-PON OLT

An eight-port optical line terminal that can deliver 10 Gbps uplink/downlink speeds to over 2,000 subscribers.

8-Port 10G Combo PON OLT with Optional XG (S)-PON

Vsol 10G Combo PON OLT is a combination of XG (S) PON and GPON SFP+ optional module that

RG 10GBASE Series Optical Modules Datasheet

XG-SFP-SR-MM850 Module The XG-SFP-SR-MM850 is aligned to IEEE 10GBASE-SR optical specifications and

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Raisecom Rack-mounted Optical Line Terminal, The ISCOM6800E

Raisecom ISCOM6800E series rack-mounted optical line terminal with GPON, XG (S)PON and XG (S)PON Combo access, smooth

XG-MODULES

CommScope''s XG Optical Fiber Modules support 10 Gigabit applications up to 300 meters with lowest-cost electronics and offers

Huawei GE Optical Modules

Buy genuine Huawei GE opitcal modules from GenuineModules with best price and fast worldwide shipping.

XG-SFP-ZR-SM1550 10GBASE-ZR SFP+ 1550-nm 80-km DOM

The XG-SFP-ZR-SM1550 is aligned to IEEE 10GBASE-ZR optical specifications and supports a link length of up to 80 kilometers

40G Ethernet Physical Layer Interfaces | Synopsys IP

The first IEEE 802.3 standard defined electrical interfaces to a 40 GE optical module was the XLAUI (40 Gbps

Cisco SFP Modules for Gigabit Ethernet Applications Data Sheet

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit

Cisco CRS-X 4-Port 100 GE LAN_OTN Interface Module Data Sheet

The Cisco ® CRS-X Carrier Routing System provides outstanding economical scale, IP and optical network

Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

GE Optical Modules

Types of GE Optical Modules A Gigabit Ethernet (GE) optical module, commonly implemented as an SFP (Small Form-factor

Types of Optical Modules

Depending on transmission rates, optical modules are classified into 100GE, 40GE, 25GE, 10GE, FE, and GE optical modules.

XGPL-16000

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

PLANET XGPL-16000 is a high-density 16-Port XGS-PON Optical Line Terminal (OLT) designed for next

H3C SFP-XG-LX-SM1310-E Datasheet

SFP-XG-LX-SM1310-E This H3C SFP-XG-LX-SM1310-D is a high performance and cost effective SFP+ transceiver module

Understanding 10G-PON, XGS-PON, GPON, and 10G-EPON in Passive Optical ...

Explore 10G-PON, XGS-PON, GPON, and 10G-EPON technologies in passive optical networks. Discover how these

GE SFP 10KM Module

The GE SFP 10KM Converter Modules are equipment that enable the increase of the coverage area of networks and, combined with

Pluggable Optical Modules: Transceivers for the Cisco ONS Family

Cisco offers a comprehensive range of pluggable optical modules for the Cisco ONS family of multiservice platforms.

XG-PON Presentation

XG-PON work under way XG-PON recs targeted for June 2010: G.987.3 TC layer and framing simplification withdrawal of unused

HUAWEI AntiDDoS8000 V500R005 Hardware Description

1 Gbit/s Electrical Transceiver Electrical transceivers apply to GE and 10GE interfaces for interconnection between

Types of Optical Modules

This document provides an overall description of the CE16800 series switches hardware, helping you obtain detailed information

ZTE GTBO 8-port GPON/XG-PON High Quality Interface Board

The ZTE GTBO 8-port GPON/XG-PON Optical Interface Board is engineered to elevate your network capabilities on ZTE C320 and

Software Configuration Guide for the Cisco 6-port GE SFP Service Module ...

The Cisco 6-port GE SFP Service Modules are software-configurable high-speed connectivity routing port service

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

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Description The XGPON OLT SFP+ transceiver provides an asymmetric 9.953Gbps upstream and 2.488G downstream, reaching a

Huawei ONT Products Datasheet

ONT (Optical network terminal), is a product in the XPON network access solution. Huawei EchoLife series provides intelligent

Huawei GE Optical Modules

Buy genuine Huawei GE opitcal modules from GenuineModules with best price and fast worldwide shipping.

XG-SFP-ZR-SM1550 10GBASE-ZR SFP+ 1550-nm 80-km DOM

The XG-SFP-ZR-SM1550 is aligned to IEEE 10GBASE-ZR optical specifications and supports a link length of up to 80 kilometers

40G Ethernet Physical Layer Interfaces | Synopsys IP

The first IEEE 802.3 standard defined electrical interfaces to a 40 GE optical module was the XLAUI (40 Gbps

Cisco SFP Modules for Gigabit Ethernet Applications Data Sheet

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit

Cisco CRS-X 4-Port 100 GE LAN_OTN Interface Module Data Sheet

The Cisco ® CRS-X Carrier Routing System provides outstanding economical scale, IP and optical network

Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

XG-SFP-ER-SM1550 10GBASE-ER SFP+ 1550-nm 40-km DOM

The XG-SFP-ER-SM1550 is aligned to IEEE 10GBASE-ER optical specifications and supports a link length of up to 40 kilometers

Huawei SmartAX MA5800 H906CGHF XGPON Board Price

Huawei H906CGHF is a 16-port XG-PON and GPON Combo OLT interface board with XG-PON & GPON N2a Optical Module, which

Support

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Specifications A transceiver module that has "MM" in its name supports multi-mode optical fibers. A transceiver module that has

Optic Modules Datasheet

These platforms support multiple interface types and technologies such as Ethernet, ATM, and SONET. Depending on the

GE Optical Modules

Types of GE Optical Modules A Gigabit Ethernet (GE) optical module, commonly implemented as an SFP (Small Form-factor

Types of Optical Modules

Depending on transmission rates, optical modules are classified into 100GE, 40GE, 25GE, 10GE, FE, and GE optical modules.

XGPL-16000

PLANET XGPL-16000 is a high-density 16-Port XGS-PON Optical Line Terminal (OLT) designed for next-generation fiber broadband

H3C SFP-XG-LX-SM1310-E Datasheet

SFP-XG-LX-SM1310-E This H3C SFP-XG-LX-SM1310-D is a high performance and cost effective SFP+ transceiver module

What are the differences between h3c optical modules

Users should consider the actual transmission distance when choosing.If the transmission

Support

You can choose optical modules as needed for data transmission over optical fibers. The optical modules include optical

XG-SFP-SR-MM850 10GBASE-SR SFP+ 850-nm 300

The XG-SFP-SR-MM850 is aligned to IEEE 10GBASE-SR optical specifications

H3C SFP-XG-LX-SM1310-E Datasheet

This H3C SFP-XG-LX-SM1310-D is a high performance and cost effective SFP+ transceiver module supporting data-rate of

H3C SFP-XG-SX-MM850 Datasheet

This H3C SFP-XG-SX-MM850 SFP+ transceiver supports up to 400m link lengths over OM4 MMF (300m over OM3 MMF) via an LC

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

XG-MODULES

CommScope''s XG Optical Fiber Modules support 10 Gigabit applications up to 300 meters with lowest-cost electronics and offers

8-Port 10G Combo PON OLT with Optional XG (S)-PON

Vsol 10G Combo PON OLT is a combination of XG (S) PON and GPON SFP+ optional module that

View the Optical Module Status on a Switch through the Command

This article provides instructions on how to view the Optical Module Status on your switch through the Command Line

RG 10GBASE Series Optical Modules Datasheet

XG-SFP-SR-MM850 Module The XG-SFP-SR-MM850 is aligned to IEEE 10GBASE-SR optical specifications and

Fiber XGS/XG/G-PON OLT

An eight-port optical line terminal that can deliver 10 Gbps uplink/downlink speeds to over 2,000 subscribers.

What are the differences between h3c optical modules

Users should consider the actual transmission distance when choosing.If the transmission

Support

You can choose optical modules as needed for data transmission over optical fibers. The optical modules include optical

XG-SFP-SR-MM850 10GBASE-SR SFP+ 850-nm 300

The XG-SFP-SR-MM850 is aligned to IEEE 10GBASE-SR optical specifications

H3C SFP-XG-LX-SM1310-E Datasheet

This H3C SFP-XG-LX-SM1310-D is a high performance and cost effective SFP+ transceiver module supporting data-rate of

H3C SFP-XG-SX-MM850 Datasheet

This H3C SFP-XG-SX-MM850 SFP+ transceiver supports up to 400m link lengths over OM4 MMF (300m over OM3 MMF) via an LC

XG-MODULES

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

CommScope''s XG Optical Fiber Modules support 10 Gigabit applications up to 300 meters with lowest-cost electronics and offers

8-Port 10G Combo PON OLT with Optional XG (S)-PON

Vsol 10G Combo PON OLT is a combination of XG (S) PON and GPON SFP+ optional module that

View the Optical Module Status on a Switch through the Command

This article provides instructions on how to view the Optical Module Status on your switch through the Command Line

RG 10GBASE Series Optical Modules Datasheet

XG-SFP-SR-MM850 Module The XG-SFP-SR-MM850 is aligned to IEEE 10GBASE-SR optical specifications and

Fiber XGS/XG/G-PON OLT

An eight-port optical line terminal that can deliver 10 Gbps uplink/downlink speeds to over 2,000 subscribers.

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved