X2 optical module



Overview

The 10 gigabit small form-factor pluggable (X2) is an optical module transceivers used for both telecommunication and data communications application. They support both CWDM and DWDM technologies, ensuring reliable operation in demanding networking environments. X2 are available for both versions 10G Ethernet and 10G Fibre Channel. X2 optical transponder is only applied to the data communication optical fiber connection (not used in the telecommunications transmission network), and their size is. Integrated circuits and reference designs help you create a smaller and faster optical module design used in high-bandwidth data communication applications. With data transmission speeds of up to 10 Gbps, these modules are ideal for network deployments that require high performance. XFP/X2/XENPAK modules offer broad compatibility with various network applications. X2 stands for Xenpak version 2 Form-factor Pluggable. Skylane Optics offers a limited range of X2 transceivers with an unique set of services, such as testing, coding, customization, effective.

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Article Content

Cisco 10GBASE X2 Modules Data Sheet

Read this data sheet to learn the benefits, specifications, and ordering information for the Cisco 10GBASE X2 Modules.

10G CWDM/DWDM XENPAK/X2 Optical Transceiver Modules

These 10G CWDM/DWDM XENPAK/X2 optical transceiver modules are designed for high-ca-pacity data transmission. They support both CWDM and DWDM technologies, ensuring reliable operation in

X2 Optical Module Introduction

X2 optical modules are available in two circuit interfaces: XAUI and Serial Framer Interface (SFI-4), which can be used for 10G Ethernet and also can be used for OC-192 SDH and 10GFC.

Optical module design resources | TI

Integrated circuits and reference designs help you create a smaller and faster optical module design used in high-bandwidth data communication applications. Whether you are creating a 100-Gbps or

XFP/X2/XENPAK 10G

XFP/X2/XENPAK modules provide high-speed network connectivity in a compact form factor. With data transmission speeds of up to 10 Gbps, these modules are ideal for network deployments that require

X2 | Converter | 10GBase-LR | 10GBase-SR | 10GBase-ER

The 10 gigabit small form-factor pluggable (X2) is an optical module transceivers used for both telecommunication and data communications application. The Skylane X2 is a high performance

GlobalFoundries accelerates adoption of co-packaged optics for

SCALE CPO solution is the industry''s first OCI MSA capable platform and built with GF''s proven silicon photonics technology MALTA, N.Y., May 4, 2026 – GlobalFoundries (Nasdaq: GFS)

Samsung Foundry Reportedly Wins Optical Module Order,

As a result, optical transmission technologies are becoming increasingly important. TrendForce forecasts that co-packaged optics (CPO) will steadily increase their share of optical

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10G X2 Optical Transceiver Modules | AscentOptics

We could offer 10G X2 optical transceivers include X2 SR,300m over multimode fiber,10km LR,40km ER and 80km ZR over singlemode fiber - AscentOptics.

X2 Optical Module Introduction

X2 optical modules is evolved from the standard of XENPAK, and its internal functional modules are same to XENPAK basically, the circuit board applications are same too .that only need one optical

X2 transceiver

The X2 transceiver format is a 10 gigabit per second modular fiber optic interface intended for use in routers, switches and optical transport platforms. It is an early generation 10 gigabit interface

Cisco X2-10GB-SR 10GBASE-SR X2 Optical

The Cisco X2-10GB-SR is an enterprise-class X2 transceiver module designed for high-speed 10 GigE aggregation in data center and campus networks. This plug

Cisco X2-10GB-LR Duplex X2 10Gbps 10 km SMF DDM 1310nm

Description The Cisco X2-10GB-LR 10GBASE-LR/LW Ethernet transceiver is a Duplex X2 transceiver for optical communications, rated for distances up to 10 km and a maximum bandwidth of 10Gbps.

X2 10Gb/s 850nm Multi-mode Transceiver 300m

The X2-10GB-SR Compatible 10GBASE-SR X2 Transceiver Module is a high-performance solution for 10 Gbit/s data transmission in enterprise networks. It uses an 850nm

10-GB X2 Transceiver Modules Installation note

Overview The 10-Gigabit Ethernet X2 transceiver module is a hot-swappable I/O device that plugs into 10-Gigabit Ethernet ports. Figure 1 shows

X2 and XENPAK Modules

» Products » Optical Modules » X2/XENPAKs X2 and XENPAK Modules Modules for 10Gbit/s over Fiber Optic We offer a choice of standard X2 and XENPAK

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Digital Optical Monitoring Transceivers offer the ability to monitor important module parameters during operation. The temperature, supply voltage, laser bias current, optical transmitter power and receiver

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

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