

X710 with multimode optical module



AI Overview

The Intel X710 supports 10Gb SFP+ multimode optical modules, including 850nm SR transceivers compatible with OM3/OM4 fiber, but third-party modules may require validation or unlocking. Supported Multimode Modules The X710 adapter is compatible with 10G SFP+ short-range (SR) multimode transceivers operating at 850nm, suitable for distances up to 300 meters over OM3 or OM4 fiber. Examples of compatible modules include: Intel part numbers E10GSFPSR, FTLX8571D3BCV-IT, and E65689-001. Third-party modules like Elfcam 10GBase-SR SFP+ with LC/UPC connectors, plug-and-play support, and digital diagnostic monitoring (DDM) for fiber links up to 300m. These modules are designed for data center or building-level connections and provide full 10Gbps throughput. Compatibility Considerations Intel X710 adapters perform EEPROM-based validation of SFP+ modules. The adapter reads the module's EEPROM, which contains vendor, part number, supported speeds, optical wavelength, and compliance codes (e.g., 10GBASE-SR). If the module's identifiers do not match Intel's expected values, the port may fail to initialize, even if the module works electrically. Key Points: Driver and firmware enforce module validation. Third-party optics may require supported driver parameters or firmware updates to function reliably. Direct-attach copper (DAC) cables are also validated for type, length, and signal characteristics. Using unsupported modules can affect link stability, thermals, and vendor support. Practical Tips Verify module type: Ensure the SFP+ module is 10G SR multimode (850nm) and compatible with OM3/OM4 fiber. Check firmware and driver: Update the X710 firmware and drivers to the latest version to improve third-party module compatibility. Test before production: Validate link stability and DDM readings when using non-Intel modules. Unlocking third-party modules: Some environments allow enabling third-party optics via driver options or controlled EEPROM-aware module selection, but this should be done cautiously. Summary The Intel X710 adap...

Article Content

Intel X710 10GbE Adapter

These optics and cables are compatible for use with Intel® Ethernet Network Adapter X710. For the latest update, check the UCS Technical Specs, and consult Cisco Compatibility Matrix:

10G SFP+ Optical Transceivers | Transceiver Module

FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for data centers, enterprise wiring closets, Internet Service

400G Optical Modules Explained: SR4 Vs. DR4 Vs.

Key differences between SR4, DR4, FR4, and LR4 400G optical modules. Expert advice from Asterfusion engineers to optimize your data center

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the

Elfcam®

About this item 10G SFP+ Multimode 850nm 300m, Multimode Duplex LC/UPC Fibre Optic port. Compatible with 10G Intel X710 & X520 Ethernet Cards. Compatible with 10G Intel X710

Huawei 02310MNW Datasheet

Huawei 02310MNW Datasheet Huawei SFP-10G-USR 10GBase-USR Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.1km, LC)

StarTech 2-Port 10Gbps SFP+ OCP 3.0 Server

It works with any single-mode or multimode MSA-compliant or branded SFP or SFP+ module, active optical cable (AOC), or direct attach copper cable (DAC).

Intel® Ethernet Netzwerkadapter X710

Intel® Ethernet Netzwerkadapter X710 10 GbE Adapter mit Hardware-Optimierungen und Offloads für die schnelle Bereitstellung von Netzwerken im Rechenzentrum. Diese Adapter sind für die

SFP fiber 10g multimode switch/AFBR-709DMZ

Buy SFP fiber 10g multimode switch/AFBR-709DMZ-IN2/E10GSFPSR/X520 X710 Network Switch Optical fiber module 10gb 850NM sfp at Aliexpress for . Find

Intel® Ethernet Network Adapter X710

View products for Intel® Ethernet Network Adapter X710. Find product specifications, technical documentation, downloads and support and more from

Intel NIC Optical Module Errors Guide | PHILISUN

Resolve Intel X710 and E810 optical module errors with checks for firmware, coding, port mode, speed, reach and compatible optics.

Intel® Ethernet Converged Network Adapters X710 10/40 GbE

Intel continues its legacy of Ethernet leadership by introducing a 10/40 gigabit family of adapters powered by the Intel® Ethernet X710 Controller code-named Fortville.

Intel® Network Adapters Selection Guide

intel® ethernet oPtics and cables for intel® ethernet 700 series and 500 series netWoRk adaPtErs Combine these accessories with Intel Ethernet 700 Series and 500 Series Network Adapters, for

Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Full

Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Full Height, V2 The Ethernet PCI-Express® Network Interface Card from Dell™ is ideal for connecting your server

Unlocking Any Brand SFP modules on Intel X710

This guide focuses on practical, support-aware ways to diagnose rejected SFP/SFP+ modules on Intel X710 adapters, enable compatible third-party optics where possible, and validate

Product Brief

General SFP+ Connectivity • X710 adapters with SFP+ connections support 10GBASE-SR, 10GBASE-LR and SFP+ Direct Attach Copper (DAC) physical media. X710-DA4 FH. Please contact your Intel

Enhance a server or workstation's capabilities with dual

2-Port 10Gbps SFP+ OCP 3.0 Server Network Card with Intel X710, SFF 4C+ Compatible, Dual-Port OCP NIC, Works with Windows & Linux

Configure a PC with Intel X710-DA2 Dual 10GbE SFP

Intel X710-DA2 Dual 10GbE SFP+ Puget Systems provides part information, advice, and tech specs for all of the computer hardware we use to configure our

Intel® Ethernet Controller X710/XXV710/XL710 Specification Update

8. Qualified Module Bit According to the Intel® Ethernet Controller X710/XXV710/XL710 Datasheet, the Qualified Module bit in Admin Queue Get link status response (Byte 3, bit 7) is cleared when the

What is an Optical Transceiver? – VCELINK

What are Optical Transceivers? The optical transceiver, also simply known as an optical module or fiber optic transceiver, is an integration of a

sfp nic | Newegg

PCIe X4 giga-bit Single Port SFP Fiber Optic Network Card 1.25G Ethernet Converged Server Adapter NIC with I350 Chip (I350-F1) (with a Piece Multi Mode Optical Module) with Intel X710AM2 Chip X710DA2BLK SFP+ Port Fiber Optic

Product Description Lidkew with Intel X710AM2 Chip X710DA2BLK SFP+ Port Fiber Optic Network Card, Dual Optical Ports PCIE X8 Ethernet Card NIC Support Window Server/Linux/CentOs (with 2

MAJICGLOBAL Intel X710 Chip PCI-E X8 10 Gigabit Dual-Port

MAJICGLOBAL Intel X710 Chip PCI-E X8 10 Gigabit Dual-Port Network Card, 10G Fiber SFP+ 10 Gigabit Dual-Port, Includes 2 Multimode Optical Modules

Intel® Ethernet Network Adapter X710-DA2/-DA4 for OCP

Overview The Intel® Ethernet Network Adapter X710-DA2 and -DA4 for OCP 3.0 provide broad interoperability, critical performance optimizations, and increased agility for Communications, Cloud,

Compatible SFP+ Modules and Cables for Intel® Ethernet Server

SFP+ optical module, SFP module, and direct attach cable requirements for the Intel® Ethernet Converged Network Adapter X710 Series.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.tomor.eu>

Email: info@tomor.eu

Phone: +49 69 2381 5497

Address: Am Hauptbahnhof 10, 60329 Frankfurt am Main, Germany

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