

Article Overview

Intel 10G SFP+ optical modules, such as the E10GSFP+SR, provide high-speed, reliable 10 Gigabit Ethernet connectivity for data centers and enterprise networks.

Overview

Intel 10G SFP+ optical modules are designed to deliver 10 Gigabit Ethernet (10 GbE) and 1 Gigabit Ethernet (1 GbE) connectivity over fiber optic networks. The E10GSFP+SR model supports short-range (SR) multi-mode fiber connections and is compatible with Intel Ethernet Converged Network Adapters, including the X520 series, ensuring seamless integration and reliable performance .

Key Features

- o Data Rates: Supports both 10 GbE and 1 GbE for flexible deployment .
- o Distance: Can extend Ethernet connections up to 300 meters over multi-mode fiber, suitable for connecting servers to Top of Rack (ToR) or End of Row (EoR) switches .
- o Form Factor: Small Form-Factor Pluggable Enhanced (SFP+) design allows hot-pluggable installation in high-density environments .
- o Signal Integrity: Uses VCSEL (Vertical-Cavity Surface-Emitting Laser) technology, providing immunity to electromagnetic interference (EMI) and radio frequency interference (RFI), .
- o Power and Size: Compact and lightweight, consuming less power than copper alternatives, with a tighter bend radius and longer reach .
- o Security and Reliability: Fiber optics are resistant to electrical interference and network tapping, enhancing secure data transmission .
- o Diagnostics: Built-in digital diagnostic functions allow for real-time monitoring of temperature, voltage, and optical power for easier troubleshooting .
- o Compliance: RoHS-6 compliant, ensuring environmentally safe construction .

Use Cases

- o Data Centers: Connecting servers to switches in high-density racks.
- o Enterprise Networks: Extending Ethernet connections over longer distances than copper cabling allows.
- o Virtualization and SAN/LAN Networking: Provides scalable, high-speed connections for virtualized environments .
- o Harsh Environments: Fiber optics provide stable performance in areas with electrical noise or interference .

Compatibility and Installation



10 Gigabit Optical Modules from Intel

- o Only Intel-certified SFP+ modules are guaranteed to work with Intel Ethernet adapters like the X520 series .
- o When connecting two Intel SFP+ devices back-to-back, ensure matching speed and duplex settings to avoid performance issues .
- o Hot-pluggable design allows for easy installation and replacement without powering down devices . Intel 10G SFP+ optical modules, particularly the E10GSFPSR, are factory new, genuine Intel products, ensuring compatibility, reliability, and long-term performance for enterprise and data center networking applications .

Buy Intel Ftlx1471d3bcvi31 Sfp Transceiver Module - 1000base-lx, 10gbase-lr -

10 Gigabit Fiber SFP + (LC) Single-Mode Optical Transceiver Module The new line of

10 Gigabit Ethernet (10GE, 10GbE, or 10 GigE) is a group of computer networking technologies for transmitting Ethernet frames at a

Buy Intel E10gsfprsrg1p5 Sfp Transceiver Module - 1000base-sx, 10gbase-sr - Plug-in Module. Refurbished.

Intel E10GSFPSR compatible dual-rate 1G / 10G SFP+ SR for Intel Ethernet X520 and X710 adapters. 1000BASE-SX and 10GBASE

The Intel Ethernet SFP+ SR (Short Range - Max link distance is 300 m) Optic is a SFP+ module designed for the Intel Ethernet

EDGEOPTIC Intel X710 dual port 10G SFP+ NIC: PCIe v3.0 x8, 7.4W power, SR-IOV/VMDq/VXLAN virtualization, IEEE 1588 PTP.

Discover Cisco 10 Gigabit Ethernet Modules, offering high-speed, reliable connectivity to enhance network

These optical modules support both short range and long range distances with 10 Gigabit Intel Ethernet Network Adapters. The

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

10 Gigabit Connectivity Whether you need a fast connection to your 10 GbE equipped server or NAS

Buy Intel SFP+ Module - For Data Networking, Optical Network 1 x 10GBase-SR Network - Optical Fiber Multi-mode - 10 Gigabit

Intel Ethernet SFP28 Optics - SFP28 transceiver module - 10 GigE, 25 Gigabit Ethernet - 10GBase-SR,



10 Gigabit Optical Modules from Intel

25GBase-SR - up to 328 ft -

The Intel® PRO/10GbE LR Server Adapter-- the industry's second-generation 10 Gigabit Ethernet adapter--enables more

This 10 Gigabit Fiber SFP+ Optical Transceiver Module supports standard digital diagnostics monitoring

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