

100Mbps to 1Gbps optical module



Overview

Stable long-distance communication Gigabit optical converter 100Mbps to 100Mbps, 1Gbps to 1Gbps SFP 2 Slots, Multi/Single mode Converter Converter required for optical and UTP cable connections for wide bandwidth, long-distance transmission, and stable transmission on the Giga. Stable long-distance communication Gigabit optical converter 100Mbps to 100Mbps, 1Gbps to 1Gbps SFP 2 Slots, Multi/Single mode Converter Converter required for optical and UTP cable connections for wide bandwidth, long-distance transmission, and stable transmission on the Giga. The industry-standard Cisco Small Form-Factor Pluggable (SFP) Gigabit Interface Converter (Figure 1) links your switches and routers to the network. The hot-swappable input/output device plugs into a Gigabit Ethernet port or slot. Optical and copper models can be used on a wide variety of Cisco. ML-SFP-RJ45-1G is RJ45 SFP 10/100/1000M copper module, compatible with most Gigabit SFP ports available on various networking devices. Maximum distance range is 100m. It also automatically detects if the copper port speed is 10Mbps, 100Mbps, or 1G and does a rate conversion to 100Mbps or 1G if the fiber SFP speed is different. This 10/100/1000. 1G SFP optical transceiver modules for multi-mode and single-mode in distances ranging from 300 meters up to 80km with a limited lifetime warranty. Looking for 1G SFP Transceiver Modules?

Get in touch with Starview now! SFP module is a small form factor, compact, hot-pluggable optical transceiver, also called mini-GBIC. Our SFP module comply with the SFF-8472 MSA (Multi-Sourcing Agreement), CE, FCC, RoHS, and corresponding industry standards. Moreover, they have a built-in DOM/DDM function as default for easy.

Article Content

Sep 04, 2025

What You Need to Know About 1x9 Optical Transceivers

In the ever-evolving world of fiber optic communications, 1x9 optical transceivers remain a foundational component for legacy systems and specific

Jul 26, 2025

SFP Module – Optcore

SFP module is a small form factor, compact, hot-pluggable optical transceiver, also called mini-GBIC. Our SFP module comply with the SFF-8472 MSA (Multi-Sourcing Agreement), CE, FCC, RoHS, and

Nov 26, 2025

I would like to know the pro's and con's of upgrading from 100Mbps to 1Gbps

I am considering upgrading our network but I wanted to know any pro's and con's before hand as the money spent on the project needs to be seen to be spent wisely.

Nov 05, 2025

Basic SFP Optical fiber questions

I am newbie to this optical fiber networking communication. Below are clarifications, #Whether 100 base Fx Implementation, can support any wavelength? (Eg: 1310nm or 850nm) #In

Jan 25, 2026

10/100/1000 SFP Media Converter | S-1110 SFP Media and Rate

The S-1110 SFP Media and Rate Converter transparently connects copper to SFP for multimode or single mode fiber. It also automatically detects if the copper port speed is 10Mbps, 100Mbps, or 1G

Jul 27, 2025

100M SFP vs 1G SFP vs 2.5G SFP

100M SFP optical modules follow the IEEE standard and are compatible with equipment from many different manufacturers, making

Sep 13, 2025

Ethernet Fiber Optical Dual Converter 100Mbit/1Gbit

It is available in versions supporting 100 Mbps/1 Gbps speeds. The module fits Fibersystem's 19-inch rack system or can be used in standalone configurations,

Jun 18, 2026

SOLTECH SFC2000-SL/SFP Ethernet Converter

Upgrade your network with the SOLTECH SFC2000-SL/SFP Ethernet Converter, offering dual SFP slots for both 100Mbps and 1Gbps speeds in multi-mode and

Jun 10, 2026

What is a 1000BASE-SX SFP Optical Transceiver

A 1000BASE-SX SFP is a gigabit transceiver for multimode fiber, enabling 1Gbps Ethernet connections up to 550 meters using 850nm wavelength.

Jun 13, 2026

The Ultimate Guide to 1G SFP Modules

In this comprehensive guide, we delve into the world of 1G SFP modules, providing a complete understanding of their functionality, types, and

Jul 18, 2025

MaxLink SFP 10/100/1000M copper module, RJ-45, 100m, 1Gbps

ML-SFP-RJ45-1G is RJ45 SFP 10/100/1000M copper module, compatible with most Gigabit SFP ports available on various networking devices. Maximum distance range is 100m.

Jul 09, 2025

Choosing the Right 1G SFP Transceivers for Your Network Upgrade

If you are considering upgrading your switches and are unsure how to select the right 1G SFP optical modules, this blog aims to provide practical guidance. It will assist you in choosing an

May 04, 2026

Ethernet Fiber Optical Dual Converter 100Mbit/1Gbit

The 100G-10KM-OLT-QSFP28 Converter Module is designed to operate in high-performance networks, supporting transfer rates of 100 Gbps using a single-mode

Dec 16, 2025

MTS-SFP-1G-LH/LC Technical Data Sheet

Product Description 1Gbps, 100Mbps compatible*, Single-mode, 1550nm, LC, 80Km, DDMI

Jun 19, 2026

1G SFP Optical Transceiver Modules | Solid Optics

1G SFP optical transceiver modules for multi-mode and single-mode in distances ranging from 300 meters up to 80km with a limited lifetime warranty.

Oct 18, 2025

SFP-1G-SX Explained: The Essential Guide to 1G

Discover how this module powers core enterprise networking. The relentless demand for faster, more reliable network infrastructure makes fiber

Feb 12, 2026

HANUTECH 1.25G Gigabit Ethernet Fiber Media

HANUTECH 1.25G Gigabit Ethernet Fiber Media Converters with SFP LC Single Core Transceiver Module, Single-Mode LC, SMF RJ45 to SFP Slot up to 20KM,

Jan 27, 2026

Cisco SFP Modules for Gigabit Ethernet Applications

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

Sep 07, 2025

Routers / Switches on sale at Cendirect Canada

StarTech Citrix EG3B0000086 Compatible SFP Module - 1000BASE-SX - 1GE SFP 1GbE Multimode Fiber MMF Optic Transceiver - 550m DDM - Citrix EG3B0000086 Compatible SFP -

Mar 03, 2026

QSFP28 Transceiver: The Ultimate 100G Optical

Discover ascentoptics about QSFP28 transceiver solutions. Master 100G optical modules with in-depth insights and trusted guidance.

Feb 26, 2026

Understanding 1000BASE-LX SFP for Modern Networks

Enter the 1000BASE-LX SFP (Small Form-factor Pluggable) transceiver - the workhorse for long-distance fiber optic connections. This

Dec 18, 2025

10/100/1000Base-T RJ45 to 1000Base-FX SFP Fiber

10/100/1000Base-T RJ45 (100m/328ft) Gigabit Ethernet to 1000Base-FX Open SFP Fiber Media Converter (Distance depending on SFP module) The MC-GSA11-L is

Apr 25, 2026

Complete Guide to Choosing the Right 100M Optical

In the vast ecosystem of network infrastructure, the humble 100M optical transceiver (or 100M SFP module) remains a critical workhorse for

Jun 17, 2026

1G Copper SFP with SyncE and PTP_Copper

They also support RX_LOS pin for link indication, and DDM (Temperature and Voltage) for monitoring module via I2C. The transceivers are RoHS compliant

Sep 03, 2025

Cisco Fast Ethernet SFP Modules

Cisco Fast Ethernet SFP Modules Overview Cisco offers a range of Fast Ethernet SFP Interface Converters. The product portfolio includes 100BASE-FX, 100BASE

Jan 13, 2026

DATA SHEET 1000 BASE-X SFP

Overview s IO modules and switches. Only proven, qualified vendors are chosen to assist in providing an e tance capability required. Each optical interface operates and is managed like a fixed port but

Jul 02, 2025

1.25G SFP 160km | Maximum Reach | EDGEOPTIC | EDGE Optical

EDGEOPTIC 1.25G SFP 160km transceiver: 160km single-mode fiber, 1550nm wavelength, 37dB link budget, 100Mbps-1.25Gbps. Maximum reach backbone solution.

Contact Us

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