

# 10G Optical Module Technical Specifications



## Overview

10 Gbit/s SFP+ optical modules apply to 10 GE optical ports. The wavelength can be 850 nm, 1310 nm, or 1550 nm, and the transmission distance ranges from 0. The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, and service provider. This hot-pluggable SFP+ transceiver is engineered to transmit 10Gbps data streams over single-mode fiber (SMF) for link lengths up to 40 kilometers, making it indispensable for metro Ethernet, campus backbone networks, enterprise data center interconnects (DCIs), and telecom access networks. Opway' OP3910D is a very compact 10Gb/s optical transceiver module for serial optical communication applications at 10Gb/s. All Juniper 10G and 1G optics are compliant with key industry standards and specifications. DESIGNED FOR USE IN 10GB/S DATA RATE LINKS. They are compliant with SFP+ MSA, SFF-8431 and SFF-8472, and are mainly used in Telecom, Wireless, InfiniBand, and Fiber Channel.



## Article Content

### Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco SFP-10G-LR-X is a multirate 10GBASE-LR, 10GBASE-LW, and OTU2/OTU2e module for extended operating temperature range. It supports a link length of 10 kilometers on standard Single ...

### 10G/1G Optics | HPE Juniper Networking US

All Juniper 10G and 1G optics are compliant with key industry standards and specifications for seamless interoperability in multivendor environments.

### 10G SFP+ Cable and Transceiver Modules Data Sheet

Each SFP+ transceiver module is individually tested to be used on a series of Cisco switches, routers, servers, network interface card (NICs) etc. Featuring an operating temperature range of -40°C to ...

### SFP-10G-ER Explained: Powering 40km 10Gbps Optical Links

This comprehensive guide dives deep into the SFP-10G-ER optical transceiver module. Learn its technical specifications, key applications, compatibility nuances, advantages over other 10G ...

### 10GB SFP Module Guide: Types, Specs, and How to Choose

Learn everything about 10GB SFP modules, including types, specifications, compatibility, and how to choose the right 10G SFP+ transceiver for your network.

### UniFi 10G Multi-Mode Optical Module

SFP+ transceiver that supports 10G connections up to 300 m using multi-mode fiber with a duplex LC UPC connector.

### 10G SFP+ LR Optical Transceiver

The SFP+ Module compliant with SFF-8431, SFF-8432. Digital diagnostics functions are available via a 2-wire serial interface, as specified in SFF-8472. The fully SFP compliant form factor provides hot ...

### 10G SFP+ Transceivers

Amphenol's 10G SFP+ optical modules include SFP+ AOC. They are compliant with SFP+ MSA, SFF-8431 and SFF-8472, and are mainly used in Telecom, Wireless, InfiniBand, and Fiber Channel.

### 10 Gbit/s SFP+ Optical Modules

10 Gbit/s SFP+ optical modules apply to 10 GE optical ports. The wavelength can be 850 nm, 1310 nm, or 1550 nm, and the transmission distance ranges from 0.5 km (0.31 mi) to 80 km (49.71 mi).

## What Is 10GBASE-SR? Complete Guide to 10G SFP+ SR Optics

This complete technical guide explains what a 10GBASE-SR SFP module is, how it works, and how to deploy it correctly, covering: Optical architecture and signal encoding

### Arista Optics Modules and Cables

Arista's Optical Modules and Cable portfolio offer a wide variety of high-density and low-power 800G (dual 400G), 400G, 200G, 100G, 50G, 40G, 25G, 10G, 1G, and 100M Ethernet connectivity options ...

## Contact Us

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

Website: <https://budowasilesia.pl>

Email: [contact@budowasilesia.pl](mailto:contact@budowasilesia.pl)

Phone: +48 537 192 846

Address: ul. Chorzowska 45, 40-001 Katowice, Silesian Voivodeship, Poland

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