Cisco SFP-10G-SR Datasheet

Cisco SFP-10G-SR 10GBASE-SR SFP+ Module for MMF

SFP-10G-SR

A broad range of industry-compliant SFP+ modules for 10 Gigabit Ethernet deployments in diverse networking environments.

The Cisco 10GBASE SFP+ modules give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, and service provider transport applications.

Features and benefits

Cisco SFP+ modules offer the following features and benefits.

- Industry’s smallest 10G form factor for greatest density per chassis
- Hot-swappable input/output device that plugs into an Ethernet SFP+ port of a Cisco switch (no need to power down if installing or replacing)
- Supports “pay-as-you-populate” model for investment protection and ease of technology migration
- Digital optical monitoring capability for strong diagnostic capabilities
- Optical interoperability with 10GBASE XENPAK, 10GBASE X2, and 10GBASE XFP interfaces on the same link
- Cisco quality Identification (ID) feature enables a Cisco platform to identify whether the module is certified and

tested by Cisco

Cisco SFP-10G-SR module

The Cisco 10GBASE-SR Module supports a link length of 26m on standard Fiber Distributed Data Interface (FDDI)-grade Multimode Fiber (MMF). Using 2000MHz*km MMF (OM3), up to 300m link lengths are possible. Using 4700MHz*km MMF (OM4), up to 400m link lengths are possible.

Platform support

- 7600 Series Router
- ASR 901
- ASR 903
- ASR 1000 Series Router
- ASR 9000 Series Router
- ASR 9000v Series Router
- Catalyst 2350 and 2360 Series Switches
- Catalyst 2960-S, 2960-X, and 2960-XR Series Switches
- Catalyst 3100 Blade Switches
- Catalyst 3560, 3560-E, and 3560-X Series Switches
- Catalyst 3750, 3750-E, and 3750-X Series Switches
- Catalyst 3850 Series Switches
- Catalyst 4500 and 4500-X Series Switches
- CRS Router
- MDS 9000
- ME 4500

- ME 4900NCS 6000 Series Router
- Nexus 2000, 3000, and 4000 Series Switches
- Nexus 9000 and 9500 (modular) Series Switches
- RF Gateway Series
- SCE 8000
- Shared Port Adapter (SPA)
- Unified Computing System (UCS) Switches

Not all devices listed support every module. For details about which modules run in which devices and other compatibility information, refer to the document “Cisco 10 Gigabit Ethernet Transceiver Modules Compatibility Matrix”:
https://www.cisco.com/en/US/docs/interfaces_modules/transceiver_modules/compatibility/matrix/OL_6974.html

Additional platforms may continually be added; please check the compatibility matrix for the latest information and for the Cisco compatible operating system for each platform.

Product specifications

- Product Number: SFP-10G-SR
- Description: Cisco 10GBASE-SR SFP+ Module for MMF
- Connectors: Dual LC/PC connector
- Wavelength: 850nm
- Cable Type: MMF
- Cable Distance:
    - 33m @ OM1
    - 82m @ OM2
    - 300m @ OM3
    - 400m @ OM4
    - 400m @ OM5
- Transmit Power (dBm):
    - Maximum: -1.2
    - Minimum: -7.3

- Receive Power (dBm):
    - Maximum: -1.0
    - Minimum: -9.9
- Transmit and Receive Wavelength: 840 to 860nm

- Bail Latch Color: Beige
- Power Consumption: 1W
- Operating Temperature Range: Commercial temperature range (COM): 0 to 70°C (32 to 158°F)

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