



SFP-10G-SR-S DataSheet



Cisco SFP-10G-SR-S S-Class 10G SFP+ SR transceiver module, 850nm, up to 400m over MMF. High-density, cost-effective 10G Ethernet optical connectivity for data center and enterprise networks.

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SFP-10G-SR-S Description

SFP-10G-SR-S is a Cisco 10GBASE-SR S-Class SFP+ transceiver module designed for high-density 10 Gigabit Ethernet optical connectivity in data centers and enterprise networks. This module, also known as Cisco 10G SFP+ SR S-Class or 10GBASE-SR SFP+ transceiver, operates at 850 nm and supports transmission distances up to 400 meters over OM4 multimode fiber. It features hot-swappable functionality, digital optical monitoring (DOM), and is fully compliant with IEEE 802.3ae standards, making it a reliable choice for scalable and flexible 10G Ethernet deployments. Note: SFP-10G-SR-S does not support FCoE protocol.

Product Highlights

Data Rate
Wavelength
Reach

Key Features

- **Positioning:** Cost-effective, entry-level version.
- **Functionality:** Supports only 10GBASE-SR Ethernet; **does NOT support FCoE**

(Fibre Channel over Ethernet).

- **Best Use Cases:**
- Standard 10G Ethernet links in data centers and enterprise networks.
- Environments where only basic 10G connectivity is needed, with no storage or FCoE requirements.
- Customers seeking budget-friendly 10G optical modules for routine aggregation or access.
- **Other Notes:**
- S-Class modules are ideal for typical data traffic, not for converged Ethernet/storage applications.

Model comparison

Parameter	SFP-10G-SR-S	SFP-10G-SR	SFP-10G-SR-X
Form Factor	SFP+	SFP+	SFP+
Data Rate	10 Gbps	10 Gbps	10 Gbps
Wavelength	850 nm	850 nm	850 nm
Max. Distance (OM3/OM4)	300m / 400m	300m / 400m	300m / 400m
FCoE Support	No	Yes	Yes
Power Consumption	1W	1W	1W
Operating Temp.	0-70°C (COM)	0-70°C (COM)	-5-85°C (EXT)
DOM/ DDM	Yes	Yes	Yes
Protocols	10GBASE-SR	10GBASE-SR, FCoE	10GBASE-SR, OTU2/2e
Application	Ethernet Only	Ethernet, FCoE	Ethernet, Storage, OTU2
Typical Use	Standard Networking	Enhanced Feature Set	Extended Temp. Range

Specification

Parameter	Specification
Product ID	SFP-10G-SR-S
Form Factor	SFP+
Data Rate	10 Gbps
Wavelength	850 nm
Optical Interface	LC Duplex
Cable Type	Multimode Fiber (OM3/OM4/OM5), FDDI-grade MMF
Max. Distance	300m (OM3), 400m (OM4/OM5), 26m (FDDI MMF)
Tx Power	-1.2 to -7.3 dBm
Rx Power	-1.0 to -9.9 dBm
Wavelength Range	840-860 nm
Power Consumption	1W
Operating Temperature	0°C to 70°C (COM)
Hot Swappable	Yes
Digital Optical Monitoring (DOM)	Yes
Protocols	10GBASE-SR (IEEE 802.3ae)
FCoE Support	No
Dimensions (HxWxD)	8.5 x 13.4 x 56.5 mm

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