



SFP-10G-SR DataSheet

Cisco SFP-10G-SR SFP+ 10GBASE-SR transceiver, LC, 850nm, up to 400m on MMF, FCoE supported. Ideal for high-density 10 Gigabit Ethernet and data center networks.

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SFP-10G-SR Description

SFP-10G-SR is a Cisco 10GBASE-SR SFP+ transceiver module engineered for reliable and high-density 10 Gigabit Ethernet and Fibre Channel over Ethernet (FCoE) applications. Also known as Cisco 10G SFP+ SR or 10GBASE-SR SFP+ module, it operates at 850 nm and enables transmission distances up to 400 meters on OM4 multimode fiber. This hot-swappable transceiver supports digital optical monitoring (DOM), complies with IEEE 802.3ae standards, and ensures seamless connectivity across Cisco switching and routing platforms, providing flexibility for expanding modern enterprise and data center networks.

Product Highlights

Data Rate
Wavelength
Reach

Key Features

- **Positioning:** Standard, feature-rich model.
- **Functionality:** Supports 10GBASE-SR Ethernet and FCoE.

- **Best Use Cases:**
- Networks requiring both high-speed data and storage traffic on the same link (e.g., FCoE).
- Advanced data centers, storage networks, and converged infrastructure.
- Enterprise core, distribution, and aggregation layers.
- **Other Notes:**
- FCoE support is the main distinction compared to S-Class; more flexible for hybrid networking.

Model comparison

Parameter	SFP-10G-SR	SFP-10G-SR-S	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	Yes	No	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, FCoE	10GBASE-SR	10GBASE-SR, OTU2/2e, FCoE
Application	Ethernet, FCoE	Ethernet Only	Ethernet, OTU2, FCoE
Typical Use	Standard Networking	Cost-optimized SR Only	Extended Temp. Range

Specification

Parameter	Specification
Product ID	SFP-10G-SR
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
Dimensions (HxWxD)	8.5 x 13.4 x 56.5 mm
Warranty	5 Years
Bail Latch Color	Beige

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