



## SFP-10G-SR-X DataSheet

Cisco SFP-10G-SR-X SFP+ 10GBASE-SR transceiver, LC, 850nm, up to 400m MMF, supports FCoE, OTN, and wide temperature. Designed for harsh and industrial environments.

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### SFP-10G-SR-X Description

SFP-10G-SR-X is a Cisco enhanced SFP+ 10GBASE-SR transceiver module designed for superior reliability in harsh environments and demanding network scenarios. Also known as Cisco 10G SFP+ SR-X or 10GBASE-SR-X SFP+, this module supports 10G Ethernet, Fibre Channel over Ethernet (FCoE), and OTU2/OTU2e protocols for optical transport networks. Operating at 850 nm, it delivers up to 400 meters reach on OM4 multimode fiber. With an extended temperature range from -5°C to 85°C, SFP-10G-SR-X is ideal for outdoor, industrial, and carrier applications requiring both high performance and robust environmental tolerance.

### Product Highlights

Data Rate

Wavelength

Reach

### Key Features

- **Positioning:** Enhanced/extended temperature model.
- **Functionality:** Supports 10GBASE-SR, FCoE, OTU2/OTU2e (Optical Transport Network), and extended operating temperature (-5°C to 85°C).

- **Best Use Cases:**
- Deployments in harsh environments, outdoor cabinets, or industrial settings.
- Service provider networks or data centers that require wide temperature tolerance.
- Networks needing both Ethernet, storage, and transport protocols.
- **Other Notes:**
- Broader protocol support (including OTU2/OTU2e), and more resilient to temperature extremes.

## Model comparison

Parameter	SFP-10G-SR-X	SFP-10G-SR	SFP-10G-SR-S
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	Yes	No
OTN/OTU2/OTU2e Support	Yes	No	No
Power Consumption	1W	1W	1W
Operating Temp.	-5-85°C (Extended)	0-70°C (Commercial)	0-70°C (Commercial)
DOM/DDM	Yes	Yes	Yes
Application	Wide Temp, OTN, FCoE	Data, FCoE	Standard 10G Ethernet
Typical Use	Industrial/Carrier	Data Center/Enterprise	Cost-Sensitive Deployments

## Specification

Parameter	Specification
Product ID	SFP-10G-SR-X
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	-5°C to 85°C (Extended)
Hot Swappable	Yes
Digital Optical Monitoring (DOM)	Yes
Protocols	10GBASE-SR, FCoE, OTU2/OTU2e
Dimensions (HxWxD)	8.5 x 13.4 x 56.5 mm
Bail Latch Color	Beige

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