

Product Brief

SFM10G-SR



Solarflare SFM10G-SR 10GBASE-SR 850nm Multimode SFP+ Transceiver

Solarflare® SFM10G-SR 10GBASE-SR 850nm Multimode SFP+ transceivers are compatible with all Solarflare 10G Ethernet SFP+ products, and deliver a complete solution to SFP+ customers for 10GBASE-SR applications.

SFM10G-SR 850nm multimode 10Gbps SFP+ transceivers are hot-pluggable SFP+ footprint devices for use in 10-Gigabit Ethernet links over multi-mode fiber. They are compliant with the SFF-8431, SFF-8432, and IEEE 802.3ae 10GBASE-SR specifications. The transceiver is RoHS compliant and lead-free per Directive 2002/95/EC6.

This SFP+ transceiver supports the 2-wire serial communication protocol as defined in the SFF-8472. This low-power module supports OM1, OM2, and OM3 multi-mode fiber (MMF) media with standard LC connectors.

COMPATIBILITY AND PERFORMANCE

The SFM10G-SR SFP+ transceiver module is fully tested and compatible with all Solarflare single-port and dual-port SFP+ 10GbE server adapters in both enterprise and midrange product families. SFM10G-SR supports up to 300 meter reach using standard LC connectors with OM3 MMF.

SUPERIOR CUSTOMER EXPERIENCE

Solarflare's optical transceivers can now be purchased together with server adapters so they will arrive at the same time, enhancing customer convenience. This optical transceiver product also facilitates customers ordering a complete server adapter solution in a single transaction.



COMPLETE SOLUTION

The SFM10G-SR SFP+ transceiver enhances Solarflare's 10GbE SFP+ server adapter products by ensuring they deliver high-performance, low latency, low power and scalable I/O virtualization. Combined with the SFM10G-SR transceiver, Solarflare server adapters offer exceptional value for data centers, enterprise networks, virtualization and cloud applications, and high performance computing (HPC) clusters.

REGULATORY COMPLIANCE

SFM10G-SR transceivers are Class 1 Laser Products and comply with US FDA regulations. These products are certified by TÜV and CSA to meet the Class 1 eye safety requirements of EN (IEC) 60825 and the electrical safety requirements of EN (IEC) 60950.

SPECIFICATIONS	ADVANCED FEATURES AND BENEFITS	
Product Number SFM10G-SR SFP+ Transceiver module	Product	10GBASE-SR SFP+ Transceiver
	Application/Usage	Data Networking
	Form Factor	Hot-pluggable SFP+ transceiver module
Compatible Products	Mechanical Compatibility	SFF-8432 Multi-Source Agreement
SFN4112F	Connector Type	Duplex LC connector
SFN5122F	Interface Ports	1 x 10GBASE-SR (IEEE 802.3ae)
SFN5152F	Media Type	Multi-mode fiber
SFN5162F	Data Link Protocol	10 Gigabit Ethernet (10GbE)
Standards and Compliance	Data Transfer Rate	10 Gbps
SFF-8431	Electrical Compatibility	SFF-8431 Multi-Source Agreement
SFF-8432	Maximum Reach	300 meters (OM3 fiber)
IEEE 802.3ae	Optical Wavelength	850 nm
RoHS-6 Compliant	Lead Free	RoHS-6
Power (typical)	Packaged Quantity	1
SFM10G-SR: < 1W		
Operating Range		
0° to 70° C		
0 LFM, Min.		
Physical Dimensions		
L: 5.65 cm (2.224 in)		
W: 1.37 cm (0.539 in)		
H: 1.186 cm (0.465 in)		