



## 10GBASE-SR 850nm Multimode SFP+ Transceiver

The 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.

The 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

For added convenience, Solarflare's optical transceivers can now be purchased together with server adapters for simultaneous delivery. This optical transceiver product also facilitates those who are ordering a complete server adapter solution in a single transaction.

### A 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.

SolarflareSFM10G-SR

[sales@solarflare.com](mailto:sales@solarflare.com)

US 1.949.581.6830 x2050

UK +44 (0)1223.518040 x5530

[www.solarflare.com](http://www.solarflare.com)



SFM10G-SR

## Specifications

### Product Number

SFM10G-SR  
SFP+ Transceiver module

### Compatible Products

SFN5122F  
SFN5152F  
SFN5162F  
SFN5322F  
SFN5802K  
SFN5812H  
SFN5814H

### Standards & Compliance

SFF-8431  
SFF-8432  
IEEE 802.3ae  
RoHS-6 Compliant

### Power (typical)

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)

## Advanced Features

### Product

10GBASE-SR SFP+ Transceiver

### Application/Usage

Data Networking

### Form Factor

Hot-pluggable SFP+ transceiver module

### Mechanical Compatibility

SFF-8432 Multi-Source Agreement

### Connector Type

Duplex LC connector

### Interface Ports

1 x 10GBASE-SR (IEEE 802.3ae)

### Media Type

Multi-mode fiber

### Data Link Protocol

10 Gigabit Ethernet (10GbE)

### Data Transfer Rate

10 Gbps

### Electrical Compatibility

SFF-8431 Multi-Source Agreement

### Maximum Reach

300 Meters (OM3 fiber)

### Optical Wavelength

850 nm

### Lead Free

RoHS-6

### Packaged Quantity

1

SolarflareSFM10G-SR

