

# Cisco SFP-10G-SR-X Compatible SFP+ Module - 10GBASE-SR - 10GbE Multimode Fiber MMF Optic Transceiver - 10GE Gigabit Ethernet SFP+ - LC 300m - 850nm - DDM Cisco Firepower, ASR9000, C9300

Product ID: SFP10GSRXST



The SFP10GSRXST is a Cisco SFP-10G-SR-X compatible fiber transceiver module that has been designed, programmed and tested to work with Cisco® brand switches and routers. It delivers dependable 10GbE connectivity over fiber cable, for 10GBASE-SR compliant networks, with a maximum distance of up to 300 m (984 ft.).

# **Technical Specifications:**

• Wavelength: 850 nm

Maximum Data Transfer Rate: 10Gbps

Type: Multimode Fiber

• Connection Type: LC Connector

• Maximum Transfer Distance: 300 m (984 ft.)



# **Data Sheet**

- MTBF: 1,967,709 hours
- **Power Consumption:** Less than 1.2 Watts
- Digital Diagnostics Monitoring (DDM): Yes

This SFP+ fiber module is hot-swappable, making upgrades and replacements seamless by minimizing network disruptions.

# StarTech.com SFPs

All StarTech.com SFP & SFP+ transceiver modules are backed by a lifetime warranty and free lifetime multilingual technical support. StarTech.com offers a wide variety of SFP modules and direct-attach SFP cables, providing the convenience and reliability you need to ensure dependable network performance.





# Certifications, Reports and Compatibility













## **Applications**

- Expand your network to remote segments
- Replacing defective or damaged SFP modules in Juniper switches and routers

### **Features**

- 100% CISCO SFP-10G-SR-X COMPATIBLE: Works with Cisco switches like Firepower, ASR9000, C9300, C3850, C9500 and others
- TECHNICAL SPECS: 10GBASE-SR | 10 Gbps | Multi Mode (MMF) | LC Connector | 850nm | Digital Diagnostic Monitoring (DDM) | Distances up to 300m (984ft)
- TESTED FOR OEM HOST COMPATIBILITY: Hot-swappable in Cisco routers and switches; DDM support reports the transceiver's status to most SNMP network management tools
- OUTSTANDING SUPPORT: Backed by StarTech.com for the life of the module itself, not your equipment; our modules won't void your OEM support and with access to our Tech Advisors 5/24
- WORKS WITH MSA COMPLIANT SWITCHES: Also works with switch models from Ubiquiti, D-Link, Netgear, Supermicro, TP-Link and more that accept uncoded modules



# **Data Sheet**

Industry Standards WDM No No Performance Compatible Networks DDM Yes Fiber Operating Mode Max Transfer Distance Maximum Data Transfer Rate MTBF Type Multi Mode Wavelength Wavelength Special Notes Special Notes System and Cable Requirements System and Cable Requirements Humidity Operating Temperature O°C to 70°C (32°F to 158°F) Storage Temperature Color Characteristics Packaging Information Package Length Package Width Shipping (Package) Weight  10 Gbps Hull-Duplex Hull-			
Industry Standards WDM No No Performance Compatible Networks DDM Yes Fiber Operating Mode Max Transfer Distance Maximum Data Transfer Rate Material Matib Mode Maximum Data Transfer Rate Matib Mode Maximum Nate Matib Mode Maximum Nate Matib Mode Maximum Nate Matib Mode Maximum Nate Matib Maximum Nate Matib Maximum Matib Maximum Matib Maximum Matib Maximum Material Material Matib Maximum Maxim		Warranty	Lifetime
WDM No  Performance Compatible Networks 10 Gbps DDM Yes Fiber Operating Mode Full-Duplex Max Transfer Distance 300 m (984 ft) Maximum Data Transfer Rate 10 Gbps MTBF 1,967,709 hours Type Multi Mode Wavelength 850nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female Special Notes / Requirements MSA or Cisco compliant SFP+ port  Power Power Consumption (In Watts) < 1.3 W  Environmental Humidity 5-95% RH Operating Temperature 0°C to 70°C (32°F to 158°F) Storage Temperature -40°C to 85°C (-40°F to 185°F)  Physical Characteristics Packaging Packaging Package Height 1.3 in [32 mm] Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box Included in Package 1 - SFP+ transceiver Material Aluminum Product Height 0.5 in [1.3 cm] Product Height 1.5 in [58.4 mm] Product Length 2.3 in [58.4 mm] Product Width 0.5 in [13.9 mm]	Hardware	Compatible Brand	Cisco
Performance  Compatible Networks DDM Yes Fiber Operating Mode Full-Duplex Awx Transfer Distance Maximum Data Transfer Rate D50, MTBF Type Multi Mode Wavelength S50, MTBF Type Wavelength S50, MTBF Type Multi Mode Wavelength S50, MTBF Type Wavelength S50, MTBF Type Multi Mode Wavelength S50, MTBF Type Wavelength S50, MTBF Type Multi Mode Wavelength S50, MTBF Type Mali MSA or Cisco Compliant SFP+ port S70, WTB Type Type Type Type Type Type Type Type		Industry Standards	IEEE 802.3ae 10GBASE-SR
Fiber Operating Mode Full-Duplex  Max Transfer Distance 300 m (984 ft)  Maximum Data Transfer Rate 10 Gbps  MTBF 1,967,709 hours  Type Multi Mode  Wavelength 850nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female  Special Notes / Requirements System and Cable Requirements MSA or Clisco compliant SFP+ port  Power Power Consumption (In Watts) < 1.3 W  Environmental Humidity 5-95% RH  Operating Temperature 0°C to 70°C (32°F to 158°F)  Storage Temperature -40°C to 85°C (-40°F to 185°F)  Physical Characteristics  Package Height 1.3 in [32 mm]  Package Height 1.8 oz [50 g]  What's in the Box Included in Package 1 - SFP+ transceiver  Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length 2.3 in [58.4 mm]  Product Length 2.5 in [13.9 mm]		WDM	No
Fiber Operating Mode Max Transfer Distance Maximum Data Transfer Rate MTBF 1,967,709 hours Type Multi Mode Wavelength 850nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female  Special Notes / Requirements System and Cable Requirements MSA or Cisco compliant SFP+ port  Power Power Consumption (In Watts) Characteristics Packaging Information Package Height Package Width Shipping (Package) Weight 1.3 or [11.9 cm] Shipping (Package) Weight Atterial Aluminum Product Height Product Width Product Product Width Product Product Width Product Product Width Product Prod	Performance	Compatible Networks	10 Gbps
Max Transfer Distance 300 m (984 ft) Maximum Data Transfer Rate 10 Gbps MTBF 1,967,709 hours Type Multi Mode Wavelength 850nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female  Special Notes / Requirements System and Cable Requirements MSA or Cisco compliant SFP+ port  Power Power Consumption (In Watts) < 1.3 W  Environmental Humidity 5-95% RH Operating Temperature 0°C to 70°C (32°F to 158°F) Storage Temperature -40°C to 85°C (-40°F to 185°F)  Physical Characteristics Packaging Information Package Length 3.7 in [93 mm] Package Length 4.7 in [11.9 cm] Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box Included in Package 1 - SFP+ transceiver  Material Aluminum Product Height 0.5 in [1.3 cm] Product Length 1.3 in [58.4 mm] Product Width 0.5 in [13.9 mm]		DDM	Yes
Maximum Data Transfer Rate  MTBF  Type  Multi Mode  Wavelength  BS0nm  Connector(s)  Local Unit Connectors  1 - Fiber Optic LC Duplex Female  For use in 10 Gigabit fiber networking equipment and media converters  System and Cable Requirements  MSA or Cisco compliant SFP+ port  Power  Power Consumption (In Watts)  Coperating Temperature  Operating Temperature  Operating Temperature  Color  Silver  Packaging  Information  Package Height  A7 in [11.9 cm]  Shipping (Package) Weight  A7 in [11.9 cm]  Shipping (Package) Weight  Included in Package  Material  Aluminum  Product Height  O 5 in [1.3 cm]  Product Height  O 5 in [1.3 cm]  Product Length  Product Width  O 5 in [1.9 mm]  Product Width  O 5 in [1.9 mm]  Product Width  O 5 in [1.9 mm]		Fiber Operating Mode	Full-Duplex
MTBF Type Multi Mode Wavelength S50nm Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female For use in 10 Gigabit fiber networking equipment and media converters System and Cable Requirements MSA or Cisco compliant SFP+ port  Power Power Consumption (In Watts) Environmental Humidity Operating Temperature Operating Temperature Storage Temperature Color Silver  Packaging Information Package Height Package Length Package Width A,7 in [11.9 cm] Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box Included in Package Material Product Height Product Height Product Length Product Width No.5 in [1.3 cm] Product Width Product Width No.5 in [1.9 mm] Product Width No.5 in [1.3 cm] Product Width No.5 in [1.3 cm] Product Width No.5 in [1.3 pmm]		Max Transfer Distance	300 m (984 ft)
Type Wavelength  B50nm  Connector(s)  Local Unit Connectors  1 - Fiber Optic LC Duplex Female  For use in 10 Gigabit fiber networking equipment and media converters  System and Cable Requirements  MSA or Cisco compliant SFP+ port  Power  Power Consumption (In Watts)  Environmental  Humidity  Operating Temperature  Storage Temperature  Power Color  Silver  Color  Silver  Color  Package Height  Package Height  Package Width  At 7 in [11.9 cm]  Shipping (Package) Weight  At 7 in [11.9 cm]  Shipping (Package) Weight  Material  Product Height  Product Height  Product Length  Product Length  Product Width  Product Width  Product Width  Product Width  Product Width  Product Width  O.5 in [13.9 mm]		Maximum Data Transfer Rate	10 Gbps
Wavelength 850nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female  Special Notes / Requirements  System and Cable Requirements MSA or Cisco compliant SFP+ port  Power Power Consumption (In Watts) < 1.3 W  Environmental Humidity 5~95% RH  Operating Temperature 0°C to 70°C (32°F to 158°F)  Storage Temperature -40°C to 85°C (-40°F to 185°F)  Physical Characteristics  Packaging Information  Package Length 3.7 in [93 mm]  Package Width 4.7 in [11.9 cm]  Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box Included in Package 1 - SFP+ transceiver  Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length Product Width 0.5 in [13.9 mm]		MTBF	1,967,709 hours
Connector(s) Local Unit Connectors  1 - Fiber Optic LC Duplex Female  For use in 10 Gigabit fiber networking equipment and media converters  System and Cable Requirements  MSA or Cisco compliant SFP+ port  Power  Power Consumption (In Watts)  Environmental  Humidity 5~95% RH Operating Temperature 0°C to 70°C (32°F to 158°F) Storage Temperature 40°C to 85°C (-40°F to 185°F)  Physical Characteristics  Packaging Information  Package Height 1.3 in [32 mm]  Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box  Included in Package  Material Product Height 0.5 in [1.3 cm] Product Length Product Uidth 0.5 in [13.9 mm] Product Width 0.5 in [13.9 mm]		Туре	Multi Mode
Note   For use in 10 Gigabit fiber networking equipment and media converters		Wavelength	850nm
System and Cable Requirements MSA or Cisco compliant SFP+ port  Power Power Consumption (In Watts) < 1.3 W  Environmental Humidity 5~95% RH Operating Temperature 0°C to 70°C (32°F to 158°F) Storage Temperature -40°C to 85°C (-40°F to 185°F)  Physical Color Silver  Packaging Information Package Height 1.3 in [32 mm] Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box Included in Package 1 - SFP+ transceiver  Material Aluminum Product Height 0.5 in [1.3 cm] Product Length 2.3 in [58.4 mm] Product Width 0.5 in [13.9 mm]	Connector(s)	Local Unit Connectors	1 - Fiber Optic LC Duplex Female
Power Consumption (In Watts) < 1.3 W  Environmental Humidity 5~95% RH  Operating Temperature 0°C to 70°C (32°F to 158°F)  Storage Temperature -40°C to 85°C (-40°F to 185°F)  Physical Characteristics  Packaging Information  Package Height 1.3 in [32 mm]  Package Length 3.7 in [93 mm]  Package Width 4.7 in [11.9 cm]  Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box Included in Package 1 - SFP+ transceiver  Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length 2.3 in [58.4 mm]  Product Width 0.5 in [13.9 mm]	Special Notes / Requirements	Note	
Humidity Operating Temperature O°C to 70°C (32°F to 158°F) Storage Temperature -40°C to 85°C (-40°F to 185°F)  Physical Characteristics  Packaging Information  Package Height 1.3 in [32 mm]  Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box  Included in Package  Material Aluminum Product Height O.5 in [1.3 cm] Product Uidth O.5 in [13.9 mm]		System and Cable Requirements	MSA or Cisco compliant SFP+ port
Operating Temperature Storage Temperature -40°C to 70°C (32°F to 158°F)  Physical Characteristics  Packaging Information  Package Height -3.7 in [93 mm]  Package Width -4.7 in [11.9 cm] Shipping (Package) Weight -4.8 oz [50 g]  What's in the Box  Included in Package Aluminum Product Height -5.5 in [1.3 cm] Product Length -6.5 in [1.3 cm] Product Width -6.5 in [13.9 mm]	Power	Power Consumption (In Watts)	< 1.3 W
Storage Temperature -40°C to 85°C (-40°F to 185°F)  Physical Color Silver  Packaging Package Height 1.3 in [32 mm]  Package Length 3.7 in [93 mm]  Package Width 4.7 in [11.9 cm]  Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box Included in Package 1 - SFP+ transceiver  Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length 2.3 in [58.4 mm]  Product Width 0.5 in [13.9 mm]	Environmental	Humidity	5~95% RH
Packaging Information  Package Height  Package Length  Package Width  Shipping (Package) Weight  Included in Package  Material  Product Height  Product Length  Product Width  Package Meight  Silver  1.3 in [32 mm]  1.3 in [93 mm]  4.7 in [11.9 cm]  1.8 oz [50 g]  1 - SFP+ transceiver  Material  Aluminum  Product Height  0.5 in [1.3 cm]  Product Length  Product Width  0.5 in [13.9 mm]		Operating Temperature	0°C to 70°C (32°F to 158°F)
Packaging Information  Package Length Package Width Package Width Package) Weight  Included in Package  Material Product Height Product Length Product Width		Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Package Length 3.7 in [93 mm] Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box Included in Package 1 - SFP+ transceiver  Material Aluminum Product Height 0.5 in [1.3 cm] Product Length 2.3 in [58.4 mm] Product Width 0.5 in [13.9 mm]	Physical Characteristics	Color	Silver
Package Width 4.7 in [11.9 cm]  Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box Included in Package 1 - SFP+ transceiver  Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length 2.3 in [58.4 mm]  Product Width 0.5 in [13.9 mm]	Packaging Information	Package Height	1.3 in [32 mm]
Shipping (Package) Weight 1.8 oz [50 g]  What's in the Box Included in Package 1 - SFP+ transceiver  Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length 2.3 in [58.4 mm]  Product Width 0.5 in [13.9 mm]		Package Length	3.7 in [93 mm]
What's in the Box  Included in Package  1 - SFP+ transceiver  Material  Aluminum  Product Height  0.5 in [1.3 cm]  Product Length  2.3 in [58.4 mm]  Product Width  0.5 in [13.9 mm]		Package Width	4.7 in [11.9 cm]
Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length 2.3 in [58.4 mm]  Product Width 0.5 in [13.9 mm]		Shipping (Package) Weight	1.8 oz [50 g]
Product Height 0.5 in [1.3 cm]  Product Length 2.3 in [58.4 mm]  Product Width 0.5 in [13.9 mm]	What's in the Box	Included in Package	1 - SFP+ transceiver
Product Length 2.3 in [58.4 mm]  Product Width 0.5 in [13.9 mm]		Material	Aluminum
Product Width 0.5 in [13.9 mm]		Product Height	0.5 in [1.3 cm]
		Product Length	2.3 in [58.4 mm]
Weight of Product 0.8 oz [22 g]		Product Width	0.5 in [13.9 mm]
		Weight of Product	0.8 oz [22 g]





Product appearance and specifications are subject to change without notice.