

# Juniper EX-SFP-10GE-SR Compatible SFP+ Module - 10GBASE-SR - 10GbE Multimode Fiber MMF Optic Transceiver - 10GE Gigabit Ethernet SFP+ - LC 300m - 850nm - DDM

Product ID: EXSFP10GESRS



The EXSFP10GESRS is a Juniper EX-SFP-10GE-SR compatible fiber transceiver module that has been designed, programmed and tested to work with Juniper® 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: 10 Gbps

• Type: Multimode Fiber

• Connection Type: LC Connector

• Maximum Transfer Distance: 300 m (984 ft)

MTBF: 1,967,709 hours

Power Consumption: Less than 1.2 Watts



# **Data Sheet**

• 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**

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

### **Features**

- 100% JUNIPER EX-SFP-10GE-SR COMPATIBLE SFP+ TRANSCEIVER: Designed, programmed and tested to work with compatible Juniper switches and routers to deliver dependable 10GbE connectivity
- TECHNICAL SPECS: 10GBASE-SR | 10Gbps | Multi Mode (MMF) | LC Connector | 850nm | Digital Diagnostic Monitoring (DDM) | Distances up to 300m (984ft)
- TESTED FOR OEM HOST COMPATIBILITY: Hot-swappable in Juniper routers and switches; DDM support reports the transceiver's status to most SNMP network management tools
- LIFETIME WARRANTY: Backed by a lifetime warranty on the life of the module itself not the life of your switch. Our modules won't void your OEM warranty and supported by 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 IEEE 802.3ae 10GBASE-SR 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 850m  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female  Special Notes / Requirements MSA or Juniper compliant SFP+ port  Power Power Consumption (In Watts) < 1.2 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 1.7 oz [47 g]			
Industry Standards		Warranty	Lifetime
Performance         Compatible Networks         10 Gbps           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         850mm           Connector(s)         Local Unit Connectors         1 - Fiber Optic LC Duplex Female           Special Notes / Requirements         Note         For use in 10 Gigabit fiber networking equipment and media converters           System and Cable Requirements         MSA or Juniper compliant SFP+ port           Power         Power Consumption (In Watts)         < 1.2 W	Hardware	Compatible Brand	Juniper
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   For use in 10 Gigabit fiber networking equipment and media converters     System and Cable Requirements   MSA or Juniper compliant SFP+ port     Power   Power Consumption (In Watts)   5-95% RH     Operating Temperature   0°C to 70°C (32°F to 158°F)     Physical Characteristics   Color   Silver     Packaging Information   Package Height   1.3 in [33 mm]     Package Length   A,7 in [11.9 cm]     Shipping (Package) Weight   1.7 oz [47 g]     What's in the Box   Included in Package   1 - SFP+ transceiver     Material   Product Height   Product Height   Product Width   Produc		Industry Standards	IEEE 802.3ae 10GBASE-SR
DDM		WDM	No
Fiber Operating Mode Max Transfer Distance Maximum Data Transfer Rate MTBF Type Multi Mode Wavelength Move Mavelength Move Move Moverating Mode Moverating Mode Mavelength Mode Mavelength Mode Mavelength Move Movelength Move Moverating Mode Moverating Mode Mavelength Move Movelength Move Movelength Move Moverating Mode Moverating Mode Moverating Mode Moverating Mode Moverating Temperature Mover Moverating Temperature Mover Moverating Temperature Mover Moverating Temperature Mover Moverating Temperature Moverating Temperature Mover Moverating	Performance	Compatible Networks	10 Gbps
Max Transfer Distance 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 Juniper compliant SFP+ port  Power Power Consumption (In Watts) < 1.2 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 2.7 in [93 mm] Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.7 oz [47 g]  What's in the Box Included in Package 1.5 in [1.3 cm] Product Height 0.5 in [1.3 cm] Product Length 2.3 in [58.4 mm] Product Width 0.5 in [13.9 mm]		DDM	Yes
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 Juniper compliant SFP+ port  Power Power Consumption (In Watts) - 1.2 W  Environmental Humidity - 5~95% RH - Operating Temperature Operating Temperature - 40°C to 70°C (32°F to 158°F) Storage Temperature - 40°C to 85°C (-40°F to 185°F)  Packaging Information Package Height - 1.3 in [33 mm] Package Height - 4.7 in [11.9 cm] Shipping (Package) Weight - 4.7 oz [47 g]  What's in the Box Included in Package  Material Product Height - Product Width - D.5 in [1.3 cm] - Product Width - Product Width - D.5 in [1.3 pm]		Fiber Operating Mode	Full-Duplex
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 Juniper compliant SFP+ port  Power Power Consumption (In Watts) < 1.2 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)  Packaging Information  Package Height 1.3 in [33 mm]  Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.7 oz [47 g]  What's in the Box Included in Package 1.3 in [58.4 mm] Product Length Product Height 1.7 oz in [13.9 mm] Product Length 1.3 in [58.4 mm] Product Length 1.7 oz in [13.9 mm]		Max Transfer Distance	300 m (984 ft)
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 Juniper compliant SFP+ port  Power Power Consumption (In Watts) < 1.2 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 [93 mm] Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.7 oz [47 g]  What's in the Box Included in Package 1.3 in [58.4 mm] Product Height 0.5 in [1.3 cm] Product Length 1.5 in [13.9 mm] Product Length 1.5 in [13.9 mm] Product Width 0.5 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 For use in 10 Gigabit fiber networking equipment and media converters Converters System and Cable Requirements MSA or Juniper compliant SFP+ port  Power Power Consumption (In Watts) < 1.2 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 [33 mm]  Package Length 3.7 in [93 mm] Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.7 oz [47 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]		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 Juniper compliant SFP+ port  Power  Power Consumption (In Watts)  Environmental  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  Package Height  Package Height  1.3 in [33 mm]  Package Length  Package Width  4.7 in [11.9 cm]  Shipping (Package) Weight  1.7 oz [47 g]  What's in the Box  Included in Package  Material  Material  Product Height  Product Length  Product Width  1.3 in [58.4 mm]  Product Width  O.5 in [13.9 mm]		Туре	Multi Mode
Special Notes / Requirements		Wavelength	850nm
Requirements System and Cable Requirements MSA or Juniper compliant SFP+ port  Power Power Consumption (In Watts) Environmental Humidity Operating Temperature Storage 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 Package Uidth A-7 in [93 mm] Package Width A-7 in [11.9 cm] Shipping (Package) Weight  Included in Package Material Aluminum Product Height Product Height Product Length Product Length Product Width O.5 in [1.3 cm] Product Width O.5 in [13.9 mm]	Connector(s)	Local Unit Connectors	1 - Fiber Optic LC Duplex Female
Power       Power Consumption (In Watts)       < 1.2 W	Special Notes / Requirements	Note	
Humidity Operating Temperature Storage 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 [33 mm]  Package Length 3.7 in [93 mm]  Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.7 oz [47 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 [58.4 mm] Product Width 0.5 in [13.9 mm]		System and Cable Requirements	MSA or Juniper compliant SFP+ port
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 [33 mm]  Package Length 3.7 in [93 mm]  Package Width 4.7 in [11.9 cm]  Shipping (Package) Weight 1.7 oz [47 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]	Power	Power Consumption (In Watts)	< 1.2 W
Physical Color Silver  Packaging Information Package Height 1.3 in [33 mm]  Package Length 3.7 in [93 mm]  Package Width 4.7 in [11.9 cm]  Shipping (Package) Weight 1.7 oz [47 g]  What's in the Box Included in Package 1 - SFP+ transceiver  Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Uidth 0.5 in [13.9 mm]	Environmental	Humidity	5~95% RH
Physical CharacteristicsColorSilverPackaging InformationPackage Height1.3 in [33 mm]Package Length3.7 in [93 mm]Package Width4.7 in [11.9 cm]Shipping (Package) Weight1.7 oz [47 g]What's in the BoxIncluded in Package1 - SFP+ transceiverMaterialAluminumProduct Height0.5 in [1.3 cm]Product Length2.3 in [58.4 mm]Product Width0.5 in [13.9 mm]		Operating Temperature	0°C to 70°C (32°F to 158°F)
Packaging Information Package Height Package Length Package Width Package Width Shipping (Package) Weight Package Wight Package Wight Package Wight Package) Weight Package) Weight Package Package) Weight Package Package Width Package Package Width Package Package Width Package Package Wight Package Wight Package Package Height Package Wight Packa		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 1.7 oz [47 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 1.7 oz [47 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 [33 mm]
Shipping (Package) Weight 1.7 oz [47 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  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	1.7 oz [47 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 0.7 oz [19 g]		Product Width	0.5 in [13.9 mm]
		Weight of Product	0.7 oz [19 g]





Product appearance and specifications are subject to change without notice.