

# **HP J4859C Compatible SFP Transceiver Module - 1000BASE-LX**

Product ID: J4859CST



The J4859CST is an HP J4859C compatible fiber transceiver module that has been designed, programmed and tested to work with HP® brand switches and routers. It delivers dependable 1 GbE connectivity over fiber cable, for 1000BASE-LX compliant networks, with a maximum distance of up to 10 km (6.2 mi).

### **Technical Specifications:**

• Wavelength: 1310 nm

Maximum Data Transfer Rate: 1.25 Gbps

Type: Single Mode / Multi Mode FiberConnection Type: LC Connector

• Maximum Transfer Distance: 10 km (6.2 mi)

• MTBF: 3,092,408 hours

• Power Consumption: Less than 1 Watt

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 HP switches and routers
- Expand your network to remote segments

#### **Features**

- 100% compatibility with HP J4859C guaranteed
- StarTech.com SFP modules are backed by a lifetime warranty
- Meets or exceeds OEM specifications and Multi-Source Agreement (MSA) industry standards
- Low power consumption of less than 1 W
- Hot-swappable with fiber-optic modules



### **Data Sheet**

Industry Standards IEEE 802.3z 1000BASE-LX  Performance Compatible Networks DDM Yes Fiber Operating Mode Fiber Operating Mode Max Transfer Distance Maximum Data Transfer Rate Maximum Data Transfer Rate Mavelength Type Wavelength Special Notes / Requirements Power Power Consumption (In Watts) Finding Temperature Operating Temperature Color Characteristics Enclosure Type Finding Type Product Height Product Weight Product Width Product Width Product Width Product Width Product Wight Product Width Product Width Product Width Product Width Packaging Information  I 000 Mbps (1 Gbps) Ves Full-Ouplex Finding (1 km (6.2 mi) Nom (6		Warranty	Lifetime
Performance    Compatible Networks   DDM   Yes	Hardware	Compatible Brand	HP
DDM   Yes		Industry Standards	IEEE 802.3z 1000BASE-LX
Fiber Operating Mode Max Transfer Distance Maximum Data Transfer Rate MTBF Jope Mavelength Internation  Maximum Data Transfer Rate MTBF Jope Mavelength Internation  Maximum Data Transfer Rate MTBF Jope Maximum Data Transfer Rate MIBF Jope Maximum Data Transfer Rate MIBF Jope Mode / Multi Mode Mavelength MIDH Multi Mode Mavelength Jope Mode / Multi Mode Mavelength MSA or HP compliant SFP port For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber networking equipment and media converters For use in Gigabit fiber netw	Performance	Compatible Networks	1000 Mbps (1 Gbps)
Max Transfer Distance 10 km (6.2 mi)  Maximum Data Transfer Rate 1.25 Gbps  MTBF 3,092,408 hours  Type Single Mode / Multi Mode  Wavelength 1310nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female  Special Notes / Requirements  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  Power Power Consumption (In Watts) < 1 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  Enclosure Type Aluminum  Product Height 0.5 in [13 mm]  Product Length 2.2 in [57 mm]  Product Weight 0.6 oz [16 g]  Product Width 0.6 in [14 mm]  Packaging Information  Silipping (Package) Weight 1.6 oz [45 g]		DDM	Yes
Maximum Data Transfer Rate MTBF Type Single Mode / Multi Mode Wavelength 1310nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female  System and Cable Requirements For use in Gigabit fiber networking equipment and media converters  Power Power Consumption (In Watts) Humidity Operating Temperature O°C to 70°C (32°F to 158°F) Storage Temperature O°C to 85°C (-40°F to 185°F) Storage Temperature O'Silver  Characteristics Enclosure Type Aluminum Product Height Product Length Product Weight Office (16 g) Product Width  Product Width  Shipping (Package) Weight Information  1.6 oz [45 g]		Fiber Operating Mode	Full-Duplex
MTBF Type Single Mode / Multi Mode Wavelength 1310nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female  Special Notes / Requirements For use in Gigabit fiber networking equipment and media converters  Power Power Consumption (In Watts)  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)  For use in Gigabit fiber networking equipment and media converters  Power  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)  Finclosure Type Aluminum Product Height O.5 in [13 mm] Product Length Product Weight O.6 oz [16 g] Product Width  Product Width O.6 in [14 mm]  Packaging Information  Shipping (Package) Weight Information		Max Transfer Distance	10 km (6.2 mi)
Type Wavelength  Connector(s)  Local Unit Connectors  Special Notes / Requirements  System and Cable Requirements  For use in Gigabit fiber networking equipment and media converters  Power  Power Consumption (In Watts)  Environmental  Humidity Operating Temperature Storage Temperature  Color  Characteristics  Enclosure Type Product Height Product Length Product Weight Product Weight Product Width  Packaging Information  Type  Single Mode / Multi Mode  1310nm  14 - Fiber Optic LC Duplex Female  MSA or HP compliant SFP port  For use in Gigabit fiber networking equipment and media converters  Possible (1 W  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  Substance in Gigabit fiber networking equipment and media converters  A W  A W  Environmental  Humidity  0°C to 70°C (32°F to 158°F)  Silver  Aluminum  Product Height 0.5 in [13 mm]  Product Height 0.6 oz [16 g]  Product Weight 0.6 oz [16 g]  Product Width 0.6 in [14 mm]  Packaging Information		Maximum Data Transfer Rate	1.25 Gbps
Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female  Special Notes / Requirements For use in Gigabit fiber networking equipment and media converters  Power Power Consumption (In Watts)  Environmental Humidity Operating Temperature Storage Temperature O°C to 70°C (32°F to 158°F) Storage Temperature O°C to 85°C (-40°F to 185°F)  For use in Gigabit fiber networking equipment and media converters  Power  Environmental Humidity S~95% RH Operating Temperature O°C to 70°C (32°F to 158°F) Storage Temperature A0°C to 85°C (-40°F to 185°F)  Physical Characteristics  Enclosure Type Aluminum Product Height O.5 in [13 mm] Product Length Product Ueight O.6 oz [16 g] Product Weight O.6 in [14 mm]  Packaging Information  Shipping (Package) Weight 1.6 oz [45 g]		MTBF	3,092,408 hours
Connector(s)  Local Unit Connectors  1 - Fiber Optic LC Duplex Female  System and Cable Requirements  MSA or HP compliant SFP port  For use in Gigabit fiber networking equipment and media converters  Power  Power Consumption (In Watts)  I w  Environmental  Humidity  Operating Temperature  Storage Temperature  Color  Physical Characteristics  Enclosure Type  Product Height  Product Length  Product Weight  Product Width  Shipping (Package) Weight  I - Fiber Optic LC Duplex Female  MSA or HP compliant SFP port  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  A lw  MSA or HP compliant SFP port  For use in Gigabit fiber networking equipment and media converters  A lw  MSA or HP compliant SFP port  For use in Gigabit fiber networking equipment and media converters  A lw  MSA or HP compliant SFP port  For use in Gigabit fiber networking equipment and media converters  A lw  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and media converters  For use in Gigabit fiber networking equipment and enverters  For use in Gigabit fiber networking equipment and enverters		Туре	Single Mode / Multi Mode
System and Cable Requirements   MSA or HP compliant SFP port		Wavelength	1310nm
For use in Gigabit fiber networking equipment and media converters   Power	Connector(s)	Local Unit Connectors	1 - Fiber Optic LC Duplex Female
Power Power Consumption (In Watts) < 1 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 Enclosure Type Aluminum Product Height 0.5 in [13 mm] Product Length 2.2 in [57 mm] Product Weight 0.6 oz [16 g] Product Width 0.6 in [14 mm]  Packaging Information  Shipping (Package) Weight 1.6 oz [45 g]	Special Notes / Requirements	System and Cable Requirements	MSA or HP compliant SFP port
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Storage Temperature -40°C to 85°C (-40°F to 185°F)  Physical Color Silver  Enclosure Type Aluminum  Product Height 0.5 in [13 mm]  Product Length 2.2 in [57 mm]  Product Weight 0.6 oz [16 g]  Product Width 0.6 in [14 mm]  Packaging Information Shipping (Package) Weight 1.6 oz [45 g]	Environmental	Humidity	5~95% RH
Physical Characteristics       Color       Silver         Enclosure Type       Aluminum         Product Height       0.5 in [13 mm]         Product Length       2.2 in [57 mm]         Product Weight       0.6 oz [16 g]         Product Width       0.6 in [14 mm]         Packaging Information       Shipping (Package) Weight       1.6 oz [45 g]		Operating Temperature	0°C to 70°C (32°F to 158°F)
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Product Height 0.5 in [13 mm]  Product Length 2.2 in [57 mm]  Product Weight 0.6 oz [16 g]  Product Width 0.6 in [14 mm]  Packaging Information Shipping (Package) Weight 1.6 oz [45 g]	Physical Characteristics	Color	Silver
Product Length 2.2 in [57 mm]  Product Weight 0.6 oz [16 g]  Product Width 0.6 in [14 mm]  Packaging Information Shipping (Package) Weight 1.6 oz [45 g]		Enclosure Type	Aluminum
Product Weight 0.6 oz [16 g] Product Width 0.6 in [14 mm]  Packaging Shipping (Package) Weight 1.6 oz [45 g]  Information		Product Height	0.5 in [13 mm]
Product Width 0.6 in [14 mm]  Packaging Shipping (Package) Weight 1.6 oz [45 g]  Information		Product Length	2.2 in [57 mm]
Packaging Shipping (Package) Weight 1.6 oz [45 g] Information		Product Weight	0.6 oz [16 g]
Information		Product Width	0.6 in [14 mm]
What's in the Box Included in Package 1 - SFP transceiver	Packaging Information	Shipping (Package) Weight	1.6 oz [45 g]
	What's in the Box	Included in Package	1 - SFP transceiver

Product appearance and specifications are subject to change without notice.