

# **HP J4858C Compatible SFP Transceiver Module - 1000BASE-SX**

Product ID: J4858CST



The J4858CST is an HP J4858C 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-SX compliant networks, with a maximum distance of up to 550 m (1804 ft).

### **Technical Specifications:**

• Wavelength: 850 nm

• Maximum Data Transfer Rate: 1.25 Gbps

Type: Multi Mode Fiber

• Connection Type: LC Connector

• Maximum Transfer Distance: 550 m (1804 ft)

• **MTBF:** 3,381,761 hours

Power Consumption: Less than 1.3 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.



### **Data Sheet**

## 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 J4858C 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 WDM No No No Performance Compatible Networks DDM Yes Fiber Operating Mode Max Transfer Distance Max Transfer Distance Maximum Data Transfer Rate MTBF Type Multi Mode Wavelength Wavelength No Connector(s) Local Unit Connectors Type is group and Cable Requirements System and Cable Requirements System and Cable Requirements Wash operating Temperature Operating Temperature Operating Temperature Physical Characteristics Packaging Information  Industry Standards IDEE 802.3z 1000BASE-SX No			
Industry Standards WDM No No Performance Compatible Networks DDM Yes Fiber Operating Mode Max Transfer Distance Maximum Data Transfer Rate Movelength Wavelength Special Notes / Requirements System and Cable Requirements MSA or HP compliant SFP port  40 Cover 10		Warranty	Lifetime
WDM No  Performance Compatible Networks 1000 Mbps (1 Gbps) DDM Yes Fiber Operating Mode Half/Full-Duplex Max Transfer Distance 550 m (1804 ft) Maximum Data Transfer Rate 1.25 Gbps MTBF 3,381,761 hours Type Multi Mode Wavelength 850nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female Special Notes / Requirements MSA or HP compliant SFP port  Power Power Consumption (In Watts) < 1 W  Environmental Humidity 30~75% 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 Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.6 oz [46 g]  What's in the Box Included in Package 1 - SFP transceiver Material Aluminum Product Height 0.5 in [1.3 cm] Product Height 1.2 in [57 mm] Product Width 0.6 in [14 mm]	Hardware	Compatible Brand	HP®
Performance  Compatible Networks DDM Yes Fiber Operating Mode Half/Full-Duplex Max Transfer Distance Maximum Data Transfer Rate 1.25 Gbps MTBF 3,381,761 hours Type Multi Mode Wavelength 850nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female For use in Gigabit fiber networking equipment and media converters System and Cable Requirements System and Cable Requirements MSA or HP compliant SFP port  Power Power Power Consumption (In Watts) 4 1 W Environmental Humidity 30~75% 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) Silver  Physical Characteristics Packaging Information Package Height 1.3 in [33 mm] Package Height 1.4 7 in [11.9 cm] Shipping (Package) Weight 1.6 oz [46 g] What's in the Box Included in Package 1 - SFP transceiver  Material Product Height 0.5 in [1.3 cm] Product Length 2.2 in [57 mm] Product Length Product Length 1.2 in [14 mm]		Industry Standards	IEEE 802.3z 1000BASE-SX
Fiber Operating Mode Half/Full-Duplex  Max Transfer Distance 550 m (1804 ft)  Maximum Data Transfer Rate 1.25 Gbps  MTBF 3,381,761 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 HP compliant SFP port  Power Power Consumption (In Watts) < 1 W  Environmental Humidity 30~75% 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 [33 mm]  Package Height 1.3 in [93 mm]  Package Width 4.7 in [11.9 cm]  Shipping (Package) Weight 1.6 oz [46 g]  What's in the Box Included in Package 1 - SFP transceiver  Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length 2.2 in [57 mm]  Product Length 2.2 in [57 mm]  Product Width 0.6 in [14 mm]		WDM	No
Fiber Operating Mode Max Transfer Distance Maximum Data Transfer Rate MTBF Type Multi Mode Wavelength Movelength Moveleng	Performance	Compatible Networks	1000 Mbps (1 Gbps)
Max Transfer Distance 550 m (1804 ft) Maximum Data Transfer Rate 1.25 Gbps MTBF 3,381,761 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 HP compliant SFP port  Power Power Consumption (In Watts) < 1 W  Environmental Humidity 30~75% 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 1.6 oz [46 g]  What's in the Box Included in Package 1 - SFP transceiver  Material Aluminum Product Height 0.5 in [1.3 cm] Product Length 1.2 in [57 mm] Product Width 0.6 in [14 mm]		DDM	Yes
Maximum Data Transfer Rate MTBF Type Multi Mode Wavelength Mode Wavelength Mode Wavelength Local Unit Connectors 1 - Fiber Optic LC Duplex Female For use in Gigabit fiber networking equipment and media converters System and Cable Requirements System and Cable Requirements MSA or HP compliant SFP port Power Power Consumption (In Watts) 4 1 W Humidity 30~75% 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) Silver  Packaging Information Package Height 1.3 in [33 mm] Packaging Information Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.6 oz [46 g] What's in the Box Included in Package Material Aluminum Product Height 0.5 in [1.3 cm] Product Height 0.6 in [14 mm]		Fiber Operating Mode	Half/Full-Duplex
MTBF Type Multi Mode Wavelength 850nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female Special Notes / Requirements System and Cable Requirements MASA or HP compliant SFP port  Power Power Consumption (In Watts) Environmental Humidity Operating Temperature Operating Temperature Sitver  Color Silver  Packaging Information Package Height Package Width A,7 in [11.9 cm] Shipping (Package) Weight A,7 in [1.9 cm] Shipping (Package) Weight Aluminum Product Height Product Height Product Height Product Height Product Width Product		Max Transfer Distance	550 m (1804 ft)
Type Wavelength  Bonn  Connector(s)  Local Unit Connectors  1 - Fiber Optic LC Duplex Female  For use in Gigabit fiber networking equipment and media converters  System and Cable Requirements  MSA or HP compliant SFP port  Power  Power Consumption (In Watts)  Humidity  Operating Temperature  Operating Temperature  Storage Temperature  Color  Color  Color  Silver  Color  Package Height  Package Height  Any in [93 mm]  Package Width  Any in [11.9 cm]  Shipping (Package) Weight  Any in [11.9 cm]  Shipping (Package) Weight  Material  Product Height  Product Height  Product Length  Product Length  Product Width  O.5 in [1.3 cm]  Product Width  O.6 in [14 mm]		Maximum Data Transfer Rate	1.25 Gbps
Wavelength 850nm  Connector(s) Local Unit Connectors 1 - Fiber Optic LC Duplex Female  Special Notes / Requirements  System and Cable Requirements  MSA or HP compliant SFP port  Power Power Consumption (In Watts) < 1 W  Environmental Humidity 30~75% 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 1.6 oz [46 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 0.6 in [14 mm]		MTBF	3,381,761 hours
Connector(s) Local Unit Connectors  1 - Fiber Optic LC Duplex Female For use in Gigabit fiber networking equipment and media converters System and Cable Requirements  MSA or HP compliant SFP port  Power Power Consumption (In Watts)  Environmental Humidity 30~75% RH Operating Temperature 0°C to 70°C (32°F to 158°F) Storage Temperature 30°C to 70°C (-40°F to 185°F)  Physical Characteristics Packaging Information Package Height 1.3 in [33 mm] Package Length Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.6 oz [46 g]  What's in the Box Included in Package Included in Package 1 - SFP transceiver  Material Product Height Product Length Product Length Product Width 0.5 in [1.3 cm] Product Width 0.6 in [14 mm]		Type	Multi Mode
Note   For use in Gigabit fiber networking equipment and media converters		Wavelength	850nm
System and Cable Requirements  System and Cable Requirements  MSA or HP compliant SFP port  Power  Power Consumption (In Watts)  I W  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  Packaging Information  Package Height 3.7 in [93 mm] Package Length 4.7 in [11.9 cm] Shipping (Package) Weight 1.6 oz [46 g]  What's in the Box  Included in Package  Material Product Height O.5 in [1.3 cm] Product Length Product Width O.6 in [14 mm]	Connector(s)	Local Unit Connectors	1 - Fiber Optic LC Duplex Female
Power Consumption (In Watts) < 1 W  Environmental Humidity 30~75% 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 Width 3.7 in [93 mm] Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.6 oz [46 g]  What's in the Box Included in Package 1 - SFP transceiver  Material Aluminum Product Height 0.5 in [1.3 cm] Product Length 2.2 in [57 mm] Product Width 0.6 in [14 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 [33 mm]  Package Width 4.7 in [11.9 cm] Shipping (Package) Weight 1.6 oz [46 g]  What's in the Box  Included in Package  Material Aluminum Product Height O.5 in [1.3 cm] Product Length Product Width O.6 in [14 mm]		System and Cable Requirements	MSA or HP compliant SFP port
Operating Temperature Storage Temperature -40°C to 85°C (-40°F to 185°F)  Physical Characteristics  Packaging Information  Package Height -3.7 in [93 mm] Package Width -4.7 in [11.9 cm] Shipping (Package) Weight -4.6 oz [46 g]  What's in the Box  Included in Package Aluminum Product Height -5.5 in [1.3 cm] Product Length Product Width -6.6 in [14 mm]	Power	Power Consumption (In Watts)	< 1 W
Storage Temperature -40°C to 85°C (-40°F to 185°F)  Physical Color Silver  Packaging 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 1.6 oz [46 g]  What's in the Box Included in Package 1 - SFP transceiver  Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length 2.2 in [57 mm]  Product Width 0.6 in [14 mm]	Environmental	Humidity	30~75% RH
Physical Characteristics  Packaging Information  Package Length Package Width Package Width Package) Weight  Included in Package Material Product Height Product Length Product Width Pr		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 1.6 oz [46 g]  What's in the Box Included in Package 1 - SFP transceiver  Material Aluminum Product Height 0.5 in [1.3 cm] Product Length 2.2 in [57 mm] Product Width 0.6 in [14 mm]	Physical Characteristics	Color	Silver
Package Width 4.7 in [11.9 cm]  Shipping (Package) Weight 1.6 oz [46 g]  Included in Package 1 - SFP transceiver  Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length 2.2 in [57 mm]  Product Width 0.6 in [14 mm]	Packaging Information	Package Height	1.3 in [33 mm]
Shipping (Package) Weight 1.6 oz [46 g]  What's in the Box Included in Package 1 - SFP transceiver  Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length 2.2 in [57 mm]  Product Width 0.6 in [14 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  2.2 in [57 mm]  Product Width  0.6 in [14 mm]		Package Width	4.7 in [11.9 cm]
Material Aluminum  Product Height 0.5 in [1.3 cm]  Product Length 2.2 in [57 mm]  Product Width 0.6 in [14 mm]		Shipping (Package) Weight	1.6 oz [46 g]
Product Height 0.5 in [1.3 cm]  Product Length 2.2 in [57 mm]  Product Width 0.6 in [14 mm]	What's in the Box	Included in Package	1 - SFP transceiver
Product Length 2.2 in [57 mm]  Product Width 0.6 in [14 mm]		Material	Aluminum
Product Width 0.6 in [14 mm]		Product Height	0.5 in [1.3 cm]
		Product Length	2.2 in [57 mm]
Weight of Product 0.6 oz [18 g]		Product Width	0.6 in [14 mm]
		Weight of Product	0.6 oz [18 g]





Product appearance and specifications are subject to change without notice.