HP SFP+ Transceivers (SR, LRM, LR and ER)

QuickSpecs

Overview

Models

HP X132 10G SFP+ LC SR Transceiver	J9150A
HP X132 10G SFP+ LC LR Transceiver	J9151A
HP X132 10G SFP+ LC LRM Transceiver	J9152A
HP X132 10G SFP+ LC ER Transceiver	J9153A



QuickSpecs

Technical Specifications

supports the 10-Gigabit SR standard, providing 10-

Gigabit connectivity up to

300 m on multimode fiber.

HP X132 10G SFP+ LC SR 1 LC 10-GbE port (IEEE 802.3ae Type 10Gbase-SR); Duplex: full only **Ports**

Transceiver (J9150A) Connectivity Connector type LC

Wavelength 850 nm A 10-Gigabit transceiver in **Physical characteristics Dimensions** 2.19(d) x 0.54(w) x 0.47(h) in. (5.57 x 1.38 x 1.19 SFP+ form-factor that

Weight 0.04 lb. (0.02 kg)

SFP+ **Transceiver form factor**

Environment Operating temperature 32°F to 158°F (0°C to 70°C) 0% to 85%, noncondensing

Operating relative

humidity

Nonoperating/Storage -40°F to 185°F (-40°C to 85°C)

temperature

Altitude up to 10,000 ft. (3 km)

Electrical characteristics Power consumption 0.6 W

typical

Power consumption 0.8 W

maximum

Cabling Cable type:

> 62.5/125 μm or 50/125 μm (core/cladding) diameter, graded-index, low metal content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2

Type A1b or A1a, respectively;

Maximum distance:

• 2-26m with 62.5 µm multimode cable @ 160 MHz*km

• 2-33m with 62.5 μm multimode cable @ 200 MHz*km

2-66m with 50 μm multimode cable @ 400 MHz*km

• 2-82m with 50 µm multimode cable @ 500 MHz*km

2-300m with 50 μm multimode cable @ 2000 MHz*km

Cable length 2-300m Fiber type Multi Mode

For fiber patch cords, use Ultra Physical Contact (UPC) surface **Notes**

termination/polish. Angled Physical Contact (APC) is not recommended.

Services Refer to the HP website at: www.hp.com/networking/services for details on

the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.



QuickSpecs

Technical Specifications

HP X132 10G SFP+ LC LR
Transceiver (J9151A)Ports1 LC 10-GbE port (IEEE 802.3ae Type 10Gbase-LR); Duplex: full onlyConnectivityConnector typeLCA 10-Gigabit transceiver inWavelength1310 nm

A 10-Gigabit transceiver in SFP+ form-factor that supports the 10-Gigabit LR standard, providing 10-Gigabit connectivity up to 10 km on single-mode fiber.

Physical characteristics Dimensions 2.19(d) x 0.54(w) x 0.47(h) in. (5.57 x 1.38 x 1.19 cm)

Weight 0.04 lb. (.02 kg)

Transceiver form factor SFP+

SFP+

Operating temperature 32°F to 158°F (0°C to 70°C)

Environment Operating temperature32°F to 158°F (0°C to 70°C) **Operating relative**0% to 85%, noncondensing

humidity Nonoperating/Storage

temperature
Altitude up to 10,000 ft. (3 km)

Electrical characteristics Power consumption 0.9 W

typical

Power consumption 1 W

maximum

Cabling Cable type:

Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and

-40°F to 185°F (-40°C to 85°C)

ISO/IEC 793-2 Type B1; Maximum distance:

• 2m-10km with 9/125 µm single-mode cable

Cable length2m to 10kmFiber typeSingle Mode

Notes Conditioning patch cord cables are not supported.

For fiber patch cords, use Ultra Physical Contact (UPC) surface

termination/polish. Angled Physical Contact (APC) is not recommended.

Services Refer to the HP website at: www.hp.com/networking/services for details on

the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

Technical Specifications

LRM standard, for 10-

220 m on legacy

multimode fiber.

Gigabit connectivity up to

HP X132 10G SFP+ LC LRM Ports 1 LC 10-GbE port (IEEE 802.3aq Type 10Gbase-LRM); Duplex: full only

Transceiver (J9152A) Connectivity Connector type LC

A 10-Gigabit transceiver in Wavelength 1310 nm

SFP+ form-factor that **Physical characteristics Dimensions** 2.19(d) x 0.54(w) x 0.47(h) in. (5.57 x 1.38 x 1.19 cm)

C11

Weight 0.04 lb. (.02 kg)

Transceiver form factor SFP+

Environment Operating temperature 32°F to 158°F (0°C to 70°C)

Operating relative

humidity

-40°F to 185°F (-40°C to 85°C)

0% to 85%, noncondensing

Nonoperating/Storage

temperature

401 (01031 (40 € (003 €

up to 10,000 ft. (3 km)

Altitude up to Electrical characteristics Power consumption 0.7 W

typical

Power consumption 1 W

maximum

Cabling Cable type:

62.5/125 µm or 50/125 µm (core/cladding) diameter, graded-index, low metal content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively (a mode conditioning patch cord may be needed

in some multimode fiber installations);

Maximum distance:

0.5-220m with 62.5 μm multimode cable @ 160/500 MHz*km

0.5-220m with 62.5 μm multimode cable @ 200/500 MHz*km

• 0.5-100m with 50 µm multimode cable @ 400/400 MHz*km

• 0.5-220m with 50 µm multimode cable @ 500/500 MHz*km

• 0.5-220m with 50 µm multimode cable @ 1500/500 MHz*km

Cable length 0.5m to 220m
Fiber type Multi Mode

Notes For OM3 cable (50 µm multimode @ 1500/500 MHz*km), a mode-conditioning

patch cord is not required. Other multimode cables may require modeconditioning patch cords to achieve the maximum distances listed above.

For fiber patch cords, use Ultra Physical Contact (UPC) surface

termination/polish. Angled Physical Contact (APC) is not recommended.

Services Refer to the HP website at: www.hp.com/networking/services for details on

the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

1 LC 10-GbE port (IEEE 802.3ae Type 10Gbase-ER); Duplex: full only

Technical Specifications

Ports

HP X132 10G SFP+ LC ER

			•	• • • • • • • • • • • • • • • • • • • •
	Transceiver (J9153A)	Connectivity	Connector type	LC
	The SFP+ ER Transceiver		Wavelength	1550 nm
	will transmit 10Gbps over up to 40km using standard OM3 fiber cable. This product expands the HP Networking transceiver portfolio for connections from 0m to 40km. Use only genuine HP transceivers	Physical characteristics	Dimensions	2.22(d) x 0.55(w) x 0.47(h) in. (5.65 x 1.39 x 1.19 cm)
			Weight	.04 lb., Fully loaded
			Transceiver form factor	SFP+
		Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
			Operating relative humidity	5% to 95%, noncondensing
	with your HP Networking equipment to ensure reliability and support.		Nonoperating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
	Tanasary una support		Nonoperating/Storage relative humidity	5% to 95%, noncondensing
			Altitude	up to 10,000 ft. (3 km)

Electrical characteristics Power consumption 1.3 W

typical

Power consumption 1.5 W

maximum

Cabling Cable type:

Single-mode fiber optic, complying with ITU-T G.652;

Maximum distance:

• 40km

Fiber type Single Mode

Notes Check switch release notes for minimum version of software required to

support this transceiver.

Some switches have limits as to how many of this particular transceiver can be installed. See the release notes of the switch software/firmware being

used for more details.

Services Refer to the HP website at: www.hp.com/networking/services for details on

> the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

To learn more, visit: www.hp.com/networking

© Copyright 2012 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

