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



#### **Technical Specifications**

HP X132 10G SFP+ LC SR	Ports	1 LC 10-GbE port (IEEE 802.3ae Type 10Gbase-SR); Duplex: full only Connector type LC	
Transceiver (J9150A)	Connectivity		
A 10-Gigabit transceiver in		Wavelength	850 nm
SFP+ form-factor that supports the 10-Gigabit SR	Physical characteristics	Dimensions	2.19(d) x 0.54(w) x 0.47(h) in. (5.57 x 1.38 x 1.19 cm)
standard, providing 10-		Weight	0.04 lb. (0.02 kg)
Gigabit connectivity up to 300 m on multimode fiber.		Transceiver form factor	SFP+
	Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
		Operating relative humidity	0% to 85%, noncondensing
		Nonoperating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
		Altitude	up to 10,000 ft. (3 km)
	Electrical characteristics	Power consumption typical	0.6 W
		Power consumption maximum	0.8 W
	Cabling	Cable type: 62.5/125 μm or 50/125 μm (core/cladding) diameter, graded-index, low meta content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively; Maximum distance:	
		<ul> <li>2-33m with 62.5 µn</li> <li>2-66m with 50 µm r</li> <li>2-82m with 50 µm r</li> </ul>	n multimode cable @ 160 MHz*km n multimode cable @ 200 MHz*km nultimode cable @ 400 MHz*km nultimode cable @ 500 MHz*km n multimode cable @ 2000 MHz*km
		Cable length	2-300m
		Fiber type	Multi Mode
	Notes	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommende	
	Services	the service-level description	: www.hp.com/networking/services for details on ons and product numbers. For details about services r area, please contact your local HP sales office.



HP X132 10G SFP+ LC LR	Ports	1 LC 10-GbE port (IEEE 802.3ae Type 10Gbase-LR); Duplex: full only	
Transceiver (J9151A)	Connectivity	Connector type	LC
A 10-Gigabit transceiver in		Wavelength	1310 nm
SFP+ form-factor that supports the 10-Gigabit LR	Physical characteristics	Dimensions	2.19(d) x 0.54(w) x 0.47(h) in. (5.57 x 1.38 x 1.19 cm)
standard, providing 10-		Weight	0.04 lb. (.02 kg)
Gigabit connectivity up to 10 km on single-mode		Transceiver form factor	SFP+
fiber.	Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
		Operating relative humidity	0% to 85%, noncondensing
		Nonoperating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
		Altitude	up to 10,000 ft. (3 km)
	Electrical characteristics	Power consumption typical	0.9 W
		Power consumption maximum	1 W
	Cabling	Cable type: Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and ISO/IEC 793-2 Type B1; Maximum distance: • 2m-10km with 9/125 µm single-mode cable	
		Cable length	2m to 10km
		Fiber type	Single 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. 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.	
	Services		





#### **Technical Specifications**

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 supports the 10-Gigabit	Physical characteristics	Dimensions	2.19(d) x 0.54(w) x 0.47(h) in. (5.57 x 1.38 x 1.19 cm)
LRM standard, for 10-		Weight	0.04 lb. (.02 kg)
Gigabit connectivity up to 220 m on legacy		Transceiver form factor	SFP+
multimode fiber.	Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
		Operating relative humidity	0% to 85%, noncondensing
		Nonoperating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
		Altitude	up to 10,000 ft. (3 km)
	Electrical characteristics	Power consumption typical	0.7 W
		Power consumption maximum	1 W
	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:	
		<ul> <li>0.5-220m with 62.5</li> <li>0.5-100m with 50 μ</li> <li>0.5-220m with 50 μ</li> </ul>	µm multimode cable @ 160/500 MHz*km µm multimode cable @ 200/500 MHz*km m multimode cable @ 400/400 MHz*km m multimode cable @ 500/500 MHz*km m 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 mode- conditioning 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. 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.	
	Services		



#### **Technical Specifications**

HP X132 10G SFP+ LC ER	Ports	1 LC 10-GbE port (IEEE 802.3ae Type 10Gbase-ER); Duplex: full only	
Transceiver (J9153A)	Connectivity	Connector type	LC
The SFP+ ER Transceiver		Wavelength	1550 nm
will transmit 10Gbps over up to 40km using standard	Physical characteristics	Dimensions	2.22(d) x 0.55(w) x 0.47(h) in. (5.65 x 1.39 x 1.19 cm)
OM3 fiber cable. This		Weight	.04 lb., Fully loaded
product expands the HP Networking transceiver		Transceiver form factor	SFP+
portfolio for connections	Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
from 0m to 40km. Use only genuine HP transceivers with your HP Networking equipment to ensure reliability and support.		Operating relative humidity	5% to 95%, noncondensing
		Nonoperating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
		Nonoperating/Storage relative humidity	5% to 95%, noncondensing
		Altitude	up to 10,000 ft. (3 km)
	Electrical characteristics	Power consumption typical	1.3 W
		Power consumption maximum	1.5 W
	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 support this transceiver. Some switches have limits as to how many of this particular transceiv be installed. See the release notes of the switch software/firmware b 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.	

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