

QuickSpecs

HPE X131 10G X2 Transceivers (SR, LRM, LR, ER and CX4)

Overview

HPE X131 10G X2 Transceivers (SR, LRM, LR, ER and CX4)

Models

HP X131 10G X2 SC SR Transceiver	J8436A
HP X131 10G X2 SC LR Transceiver	J8437A
HP X131 10G X2 SC LRM Transceiver	J9144A

Technical Specifications

HP X131 10G X2 SC SR Transceiver (J8436A)	Ports	1 SC 10-GbE port (IEEE 802.3ae Type 10GBASE-SR); Duplex: full only
	Connectivity	Connector type SC
HP X131 10G X2 SC SR Transceiver: An X2 format 10-gigabit transceiver with SC connectors using SR technology.	Physical characteristics	Wavelength 850 nm
		Dimensions 1.42(w) x 3.48(d) x 0.43(h) in (3.61 x 8.84 x 1.09 cm)
		Weight 0.35 lb. (0.16 kg)
	Environment	Transceiver form factor X2
		Operating temperature 32°F to 158°F (0°C to 70°C)
		Operating relative humidity 0% to 95%, noncondensing
		Nonoperating/Storage temperature -40°F to 185°F (-40°C to 85°C)
		Nonoperating/Storage relative humidity 0% to 95%, noncondensing
	Electrical characteristics	Altitude up to 10,000 ft. (3 km)
		Power consumption typical 1.7 W
Power consumption maximum 2.4 W		
Cabling	<p>Cable type:: 62.5/125 μm or 50/125 μm (core/cladding) graded-index, low metal content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively;</p> <p>Maximum distance:</p> <ul style="list-style-type: none"> • 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
Notes	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.	
Services	Refer to the Hewlett Packard Enterprise website at http://www.hpe.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 Hewlett Packard Enterprise sales office.	

Technical Specifications

HP X131 10G X2 SC LR Transceiver (J8437A)

An X2 form-factor transceiver that supports the 10-Gigabit LR standard, providing 10-Gigabit connectivity up to 10 km on single-mode fiber.

Ports	1 SC 10-GbE port (IEEE 802.3ae Type 10GBASE-LR); Duplex: full only	
	Connectivity	Connector type SC
Physical characteristics	Wavelength	1310 nm
	Dimensions	1.42(w) x 3.48(d) x 0.43(h) in (3.61 x 8.84 x 1.09 cm)
Environment	Weight	0.35 lb. (0.16 kg)
	Transceiver form factor	X2
	Operating temperature	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95%, noncondensing
Electrical characteristics	Nonoperating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
	Altitude	up to 10,000 ft. (3 km)
	Power consumption typical	2 W
Cabling	Power consumption maximum	3 W
	Cable type: Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and ISO/IEC 793-2 Type B1;	
	Maximum distance:	
	<ul style="list-style-type: none"> • 10 km 	
Notes	Cable length	2m to 10km with 9/125 μm single-mode cable
	Fiber type	Single Mode
Services	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 Hewlett Packard Enterprise website at http://www.hpe.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 Hewlett Packard Enterprise sales office.	

HP X131 10G X2 SC LRM Transceiver (J9144A)

An X2 form-factor transceiver that supports the 10-Gigabit LRM standard, providing 10-Gigabit connectivity up to 220 m on legacy

Ports	1 SC 10-GbE port (IEEE 802.3aq Type 10GBASE-LRM); Duplex: full only	
	Physical characteristics	Dimensions 1.59(w) x 3.54(d) x 0.7(h) in (4.05 x 9.0 x 1.78 cm)
Environment	Weight	0.35 lb. (0.16 kg)
	Transceiver form factor	X2
	Operating temperature	32°F to 158°F (0°C to 70°C)
	Operating relative humidity	0% to 95%, noncondensing

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multimode fiber.

	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	3.2 W
	Power consumption maximum	4.2 W
Cabling	<p>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);</p> <p>Maximum distance:</p> <ul style="list-style-type: none"> • 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	.5m to 220m
	Fiber type	Multi Mode
Notes	<p>Wavelength: 1310nm</p> <p>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.</p> <p>For supported platforms and minimum software requirements to support this product, see the document titled "Support for the J9144A 10-GbE X2-SC LRM Optic" on the "HPE 10-GbE Transceivers" Manuals Web page.</p> <p>Power Consumption: 4W Max</p>	
Services	<p>Refer to the Hewlett Packard Enterprise website at http://www.hpe.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 Hewlett Packard Enterprise sales office.</p>	

Summary of Changes

Date	Version History	Action	Description of Change
27-May-2016	From Version 9 to 10	Changed	Product description updated.
05-May-2015	From Version 8 to 9	Removed	SKUs removed: <ul style="list-style-type: none"> • J8438A • J8440C
09-Oct-2014	From Version 7 to 8	Changed	Technical Specifications were revised
14-Mar-2011	From Version 5 to 6	Changed	The product names were updated throughout the document.
17-Mar-2009	From Version 4 to 5	Changed	Divided the 10-GbE X2 Transceivers and HPE ProCurve SFP+ Transceivers (SR, LRM and LR) into separate QuickSpecs.
03-Feb-2009	From Version 3 to 4	Added	Added 3 new 10-GbE Transceivers.
15-Aug-2008	From Version 2 to 3	Changed	Changed the Environment, Cabling, and Notes specifications for J9144A.
15-Jul-2008	From Version 1 to 2	Added	HP X131 10G X2 SC LRM Transceiver (J9144A) .



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