

### Overview

### HP 10GbE cl Modules

#### Models

##### 10-G Transceivers

HP X131 10G X2 SC SR Transceiver

J8436A

HP X131 10G X2 SC LR Transceiver

J8437A

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### Technical Specifications

<b>HP X131 10G X2 SC SR Transceiver (J8436A)</b>	<b>Ports</b>	1 SC 10-GbE port (IEEE 802.3ae Type 10GBASE-SR); Duplex: full only
	<b>Connectivity</b>	<b>Connector type</b> SC
<b>HP X131 10G X2 SC SR Transceiver: An X2 format 10-gigabit transceiver with SC connectors using SR technology.</b>	<b>Physical characteristics</b>	<b>Wavelength</b> 850 nm
		<b>Dimensions</b> 3.48(d) x 1.42(w) x 0.43(h) in. (8.84 x 3.61 x 1.09 cm)
		<b>Weight</b> 0.35 lb. (0.16 kg)
	<b>Environment</b>	<b>Transceiver form factor</b> X2
		<b>Operating temperature</b> 32°F to 158°F (0°C to 70°C)
		<b>Operating relative humidity</b> 0% to 95%, noncondensing
		<b>Nonoperating/Storage temperature</b> -40°F to 185°F (-40°C to 85°C)
	<b>Electrical characteristics</b>	<b>Nonoperating/Storage relative humidity</b> 0% to 95%, noncondensing
		<b>Altitude</b> up to 10,000 ft. (3 km)
		<b>Power consumption typical</b> 1.7 W
<b>Cabling</b>	<b>Power consumption maximum</b> 2.4 W	
	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;	
	Maximum distance: <ul style="list-style-type: none"> <li>• 2-26m with 62.5 µm multimode cable @ 160 MHz*km</li> <li>• 2-33m with 62.5 µm multimode cable @ 200 MHz*km</li> <li>• 2-66m with 50 µm multimode cable @ 400 MHz*km</li> <li>• 2-82m with 50 µm multimode cable @ 500 MHz*km</li> <li>• 2-300m with 50 µm multimode cable @ 2000 MHz*km</li> </ul>	
	<b>Cable length</b> 2-300m	
	<b>Fiber type</b> Multi Mode	
<b>Notes</b>	For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.	
<b>Services</b>	Refer to the HP website at <a href="http://www.hp.com/networking/services">www.hp.com/networking/services</a> 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.	

<b>HP X131 10G X2 SC LR Transceiver (J8437A)</b>	<b>Ports</b>	1 SC 10-GbE port (IEEE 802.3ae Type 10GBASE-LR); Duplex: full only
	<b>Connectivity</b>	<b>Connector type</b> SC
<b>An X2 form-factor transceiver that supports the 10-Gigabit LR standard, providing 10-Gigabit connectivity up to 10 km on single-mode</b>	<b>Physical characteristics</b>	<b>Wavelength</b> 1310 nm
		<b>Dimensions</b> 3.48(d) x 1.42(w) x 0.43(h) in. (8.84 x 3.61 x 1.09 cm)
		<b>Weight</b> 0.35 lb. (0.16 kg)
	<b>Environment</b>	<b>Transceiver form factor</b> X2
	<b>Operating temperature</b> 32°F to 104°F (0°C to 40°C)	

### Technical Specifications

fiber.	<p><b>Operating relative humidity</b> 15% to 95%, noncondensing</p> <p><b>Nonoperating/Storage temperature</b> -40°F to 185°F (-40°C to 85°C)</p> <p><b>Altitude</b> up to 10,000 ft. (3 km)</p>
<b>Electrical characteristics</b>	<p><b>Power consumption typical</b> 2 W</p> <p><b>Power consumption maximum</b> 3 W</p>
<b>Cabling</b>	<p>Cable type:: Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and ISO/IEC 793-2 Type B1;</p> <p>Maximum distance:</p> <ul style="list-style-type: none"> <li>• 10 km</li> </ul>
<b>Notes</b>	<p><b>Cable length</b> 2m to 10km with 9/125 μm single-mode cable</p> <p><b>Fiber type</b> Single Mode</p> <p>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</p>
<b>Services</b>	<p>Refer to the HP website at <a href="http://www.hp.com/networking/services">www.hp.com/networking/services</a> 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.</p>

### Summary of Changes

Date	Version History	Action	Description of Change:
05-May-2015	From Version 7 to 8	Deleted	SKUs deleted: <ul style="list-style-type: none"><li>• J8435A</li><li>• J8434A</li><li>• J8440C</li><li>• J8438A</li></ul>
09-Oct-2014	From Version 6 to 7	Deleted	SKU J8439A deleted
		Changed	Technical Specifications revised
15-Apr-2011	From Version 5 to 6	Changed	The QS was completely revised.
30-May-2008	From Version 4 to 5	Changed	The Technical Specifications were completely revised.
01-Dec-2007	From Version 3 to 4	Changed	The Technical Specifications were completely revised.
12-Jan-2007	From Version 2 to 3	Changed	Changed "Used with the following" for J8440B.
15-Nov-2006	From Version 1 to 2	Changed	Corrected the Dimensions for J8435A and the Notes for both J8435A and J8434A.

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