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## Overview

### HP X12x 1G SFP LC Transceivers (LH100, LX, and SX)

#### Models

HP X120 1G SFP LC LH100 Transceiver	JD103A
HP X120 1G SFP LC SX Transceiver	JD118B
HP X120 1G SFP LC LX Transceiver	JD119B
HP X124 1G SFP LC SX Transceiver	JD493A

#### Features and benefits

##### Warranty and support

- 1-year warranty: with advance replacement and 30-calendar-day delivery (available in most countries)
- Electronic and telephone support: limited electronic and telephone support is available from HP; refer to [www.hp.com/networking/warranty](http://www.hp.com/networking/warranty) for details on the support provided and the period during which support is available
- Software releases: refer to [www.hp.com/networking/warranty](http://www.hp.com/networking/warranty) for details on the software releases provided and the period during which software releases are available for your product(s)

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## Technical Specifications

<b>HP X120 1G SFP LC LH100 Transceiver</b> (JD103A)	<b>Ports</b>	1 LC 1000BASE-LH port (no IEEE standard exists for 1550 nm optics)
	<b>Connectivity</b>	<b>Connector type</b> LC
A small form factor pluggable (SFP) Gigabit LH100 transceiver that provides a full-duplex Gigabit solution up to 100km on a single mode fiber.	<b>Electrical characteristics</b>	<b>Wavelength</b> 1550 nm
	<b>Cabling</b>	<b>Power consumption typical</b> 0.8 W
	<b>Services</b>	<b>Power consumption maximum</b> 1.0 W
		Cable type: Single-mode fiber optic, complying with ITU-T G.652;
		Maximum distance: • Up to 100km
		Fiber type Single Mode
		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 X120 1G SFP LC SX Transceiver</b> (JD118B)	<b>Ports</b>	1 LC 1000BASE-SX port
	<b>Connectivity</b>	<b>Connector type</b> LC
A small form-factor pluggable (SFP) Gigabit SX transceiver that provides a full-duplex Gigabit solution up to 550m on a Multimode fiber.	<b>Physical characteristics</b>	<b>Wavelength</b> 850 nm
	<b>Electrical characteristics</b>	<b>Dimensions</b> 2.17(d) x 0.6(w) x 0.46(h) in. (5.51 x 1.52 x 1.17 cm)
		<b>Full configuration weight</b> 0.04 lb. (0.02 kg)
		<b>Power consumption typical</b> 0.8 W
		<b>Power consumption maximum</b> 1.0 W

	<b>maximum</b>
<b>Cabling</b>	<p>Maximum distance:</p> <ul style="list-style-type: none"> <li>• FDDI Grade distance = 220m</li> <li>• OM1 = 275m</li> <li>• OM2 = 500m</li> <li>• OM3 = Not Specified by standard</li> </ul> <p>Cable length up to 550m</p> <p>Fiber type Multi Mode</p>
<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.

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<b>HP X120 1G SFP LC LX Transceiver (JD119B)</b>	<b>Ports</b>	1 SFP 1000BASE-LX port (IEEE 802.3z Type 1000BASE-LX)
	<b>Connectivity</b>	<b>Connector type</b> LC
A small form-factor pluggable (SFP) Gigabit LX transceiver that provides a full duplex Gigabit solution up to 550m on MMF or 10Km on SMF	<b>Physical characteristics</b>	<b>Wavelength</b> 1300 nm
		<b>Dimensions</b> 2.17(d) x 0.6(w) x 0.46(h) in. (5.51 x 1.52 x 1.17 cm)
		<b>Full configuration weight</b> 0.04 lb. (0.02 kg)
	<b>Electrical characteristics</b>	<b>Power consumption typical</b> 0.8 W
		<b>Power consumption maximum</b> 1.0 W
	<b>Cabling</b>	<p>Cable type:</p> <p>Either single mode or multimode;</p> <p>Maximum distance:</p> <ul style="list-style-type: none"> <li>• 550m for Multimode</li> <li>• 10km for Singlemode</li> </ul> <p>Fiber type Both</p>
	<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.

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<b>HP X124 1G SFP LC SX Transceiver (JD493A)</b>	<b>Ports</b>	1 LC 1000BASE-SX port
	<b>Connectivity</b>	<b>Connector type</b> LC
JD493A HP X124 1G SFP LC SX Transceiver that provides a full duplex Gigabit solution up to 550m on Multi Mode fiber.	<b>Physical characteristics</b>	<b>Wavelength</b> 850 nm
		<b>Dimensions</b> 2.17(d) x 0.6(w) x 0.46(h) in. (5.51 x 1.52 x 1.17 cm)
		<b>Full configuration weight</b> 0.04 lb. (0.02 kg)
	<b>Electrical characteristics</b>	<b>Power consumption typical</b> 0.8 W
		<b>Power consumption maximum</b> 1.0 W
	<b>Cabling</b>	<p>Maximum distance:</p> <ul style="list-style-type: none"> <li>• 220m-550m</li> </ul> <p>Fiber type Multi Mode</p>
	<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.

To learn more, visit [www.hp.com/networking](http://www.hp.com/networking)

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