

Overview

Models

HP X111 100M SFP LC FX Transceiver	J9054C
HP X112 100M SFP LC BX-U Transceiver	J9100B
HP X112 100M SFP LC BX-D Transceiver	J9099B

Introduction

HP X111 100M SFP LC FX Transceiver

HP X111 100M SFP LC FX Transceiver: An SFP format 100-megabit transceiver with LC connectors using FX technology.

HP X112 100M SFP LC BX-D Transceiver

A small form-factor pluggable (SFP) 100-Megabit BX (bi-directional) "downstream" transceiver that provides 100 Mbps full-duplex connectivity up to 10 km on one strand of singlemode fiber. The J9099B connects to the J9100B "upstream" transceiver, or to any IEEE-standard 100BASE-BX10-U ("upstream") device.

HP X112 100M SFP LC BX-U Transceiver

A small form-factor pluggable (SFP) 100-Megabit BX (bi-directional) "upstream" transceiver that provides 100 Mbps full-duplex connectivity up to 10 km on one strand of singlemode fiber. The J9100B connects to the J9099B "downstream" transceiver, or to any IEEE-standard 100BASE-BX10-D ("downstream") device.

Technical Specifications

HP X111 100M SFP LC FX Transceiver (J9054C)	Ports	1 LC 100BASE-FX port (IEEE 802.3u Type 100BASE-FX); Duplex: half or full
	Physical characteristics	Dimensions: 0.48(h) x 0.54(w) x 2.7(d) (12.2 x 13.7 x 68.6 mm) 0.45(h) x 0.55(w) x 2.22(d) (11.4 x 14.0 x 56.5 mm)
		Weight: 0.06 lb. (0.03 kg)
	Environment	Operating temperature: 32°F to 158°F (0°C to 70°C) Operating relative humidity: 5% to 95% Nonoperating/Storage temperature: -40°F to 185°F (-40°C to 85°C) Nonoperating/Storage relative humidity: 5% to 85% Altitude: up to 10,000 ft. (3 km)
	Cabling	Cable type: <ul style="list-style-type: none"> 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; <p>Maximum distance:</p> <ul style="list-style-type: none"> 2 km (full duplex) or 412 m (half duplex)
	Notes	Transmitter wavelength: 1310nm Power consumption is 1.1 watt maximum. For supported platforms and minimum software requirements to support this product, see the document titled "Support for the J9054B 100-FX SFP-LC Transceiver" on the "HP Mini-GBICs and SFPs" Manuals Web page.
	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.

HP X112 100M SFP LC BX-U Ports Transceiver (J9100B)	Ports	1 LC 100BASE-BX10 port (IEEE 802.3ah Type 100BASE-BX10-U); Duplex: full only
	Physical characteristics	Dimensions 2.7(d) x 0.55(w) x 0.48(h) in. (6.86 x 1.39 x 1.22 cm)
A small form-factor pluggable (SFP) 100-Megabit BX (bi-directional) "upstream" transceiver that provides 100 Mbps full-duplex connectivity up to 10 km on one strand of singlemode fiber. The J9100B connects to the J9099B "downstream" transceiver, or to any IEEE-standard 100BASE-BX10-D ("downstream") device.	Environment	Weight 0.07 lb. (.03 kg) 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)
	Cabling	Type: Single-mode fiber optic, complying with ITU-T G.652; Maximum distance: <ul style="list-style-type: none"> 0.5-10,000 m (single-mode fiber)
	Notes	For supported platforms and minimum software requirements to support this product, see the document titled "Support for the HP BX Transceivers" on the

Technical Specifications

"HP Mini-GBICs and SFPs" Manuals Web page.

The J9100B connects to the J9099B "downstream" transceiver, or to any IEEE-standard 100BASE-BX10- D ("downstream") device. (A 100-BX-U transceiver can only connect to a 100-BX-D product. You cannot connect two 100-BX-U transceivers together.)

Transmit wavelength: 1310 nm. Receive wavelength: 1550 nm.

Power consumption is 1.1 watts maximum.

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.

HP X112 100M SFP LC BX-D Ports Transceiver (J9099B)

A small form-factor pluggable (SFP) 100-Megabit BX (bi-directional) "downstream" transceiver that provides 100 Mbps full-duplex connectivity up to 10 km on one strand of singlemode fiber. The J9099B connects to the J9100B "upstream" transceiver, or to any IEEE-standard 100BASE-BX10-U ("upstream") device.

Physical characteristics

1 LC 100BASE-BX10 port (IEEE 802.3ah Type 100BASE-BX10-D); Duplex: full only

Dimensions

2.7(d) x 0.55(w) x 0.48(h) in. (6.86 x 1.39 x 1.22 cm)

Weight

0.04 lb. (0.03 kg)

Environment

Operating temperature

32°F to 158°F (0°C to 70°C)

Operating relative humidity

0% to 95%, noncondensing

Cabling

Nonoperating/Storage temperature

-40°F to 185°F (-40°C to 85°C)

Type:

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

Maximum distance:

- 0.5-10,000 m (single-mode fiber)

Notes

Transmit wavelength: 1550 nm. Receive wavelength: 1310 nm.

Power consumption is 1.1 watt maximum.

For supported platforms and minimum software requirements to support this product, see the document titled "Support for the HP BX Transceivers" on the "HP Mini-GBICs and SFPs" Manuals Web page.

The J9099B connects to the J9100B "upstream" transceiver, or to any IEEE-standard 100BASE-BX10-U ("upstream") device. (A 100-BX-D transceiver can only connect to a 100-BX-U product. You cannot connect two 100-BX-D transceivers together.)

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

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