HPE 10Gb SFP+ Transceivers

QuickSpecs

Overview

HPE 10Gb SFP+ Transceivers

Models

HP BladeSystem c-Class 10Gb SFP+ SR Transceiver	455883-B21
HP BladeSystem c-Class 10Gb SFP+ LR Transceiver	455886-B21
HP BladeSystem c-Class 10Gb SFP+ LRM Transceiver	455889-B21



QuickSpecs **HPE 10Gb SFP+ Transceivers**

Technical Specifications

HP BladeSystem c- Ports

Class 10Gb SFP+

SR Transceiver

(455883-B21)

Connectivity

Physical

A 10-Gigabit transceiver in

SFP+ form-factor

supports the 10-Gigabit SR

standard, providing 10-Gigabit

300 m on multimode fiber.

Connectivity Connector

type

Wavelength

Dimensions

Weight

Environment

characteristics

connectivity up to

Electrical

Cabling

characteristics

Maximum

Altitude

Power consumption

Transceiver form factor

Operating temperature

Power consumption typical 0.6w 0.8w

SFP+

Operating relative humidity 0% to 85%, noncondensing

Non-operating temperature -4°F to 185°F (-40°C to 85°C)

1 LC 10-GbE port (IEEE 802.3ae Type 10Gbase-SR); Duplex: full only

850 nm

0.04 lb. (0.02 kg)

32°F to 158°F (0°C to 70°C)

Up to 10,000 ft. (3 km)

LC

Cable Type

 $62.5/125 \mu m$ or $50/125 \mu m$ (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.

2.19(d) x 0.54(w) x 0.47(h) in. (5.57 x 1.38 x 1.19 cm)

Maximum distance:

• 2-26 m with 62.5 μ m multimode cable @ 160

• 2-33 m with 62.5 μ m multimode cable @ 200 MHz/km

• 2-66 m with 50 μ m multimode cable @ 400 MHz/km

• 2-82 m with 50 μ m multimode cable @ 500 MHz/km

2-300 m with 50 μ m multimode cable @ 2000 MHz/km

Cable length 2-300 m 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 For details about services and response times in your area, please contact your local

Hewlett Packard Enterprise sales office.

HP BladeSystem c- Ports

1 LC 10-GbE port (IEEE

Technical Specifications

Class 10Gb SFP+ LR Transceiver

(455886-B21)

802.3aq Type 10Gbase-LR);

Duplex: full only

Connectivity A 10-Gigabit

Connector type

1310 nm Wavelength

transceiver in SFP+ form-factor

that supports the 10-Gigabit LR

standard, providing Environment 10-

Gigabit connectivity up to 10 km on single-

mode fiber.

Physical characteristics **Dimensions**

2.19(d) x 0.54(w) x 0.47(h) in. (5.57 x 1.38 x 1.19 cm)

Weight 0.04 lb. (.02 kg)

Transceiver form factor SFP+

Operating temperature 32°F to 158°F (0°C to 70°C) Operating relative humidity 0% to 85%, noncondensing Non-operating/Storage

LC

temperature

-4°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 μ m 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.

Services For details about services and response times in your area, please contact your local

LC

1310 nm

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HP BladeSystem c- Ports

Class 10Gb SFP+ **LRM Transceiver** 1 LC 10-GbE port (IEEE 802.3aq Type 10Gbase-

LRM); Duplex: full only

(455889-B21)

A 10-Gigabit transceiver in SFP+ form-factor

that supports the 10-Gigabit

LRM standard, for 10-

Connectivity

Physical characteristics

Wavelength **Dimensions**

Connector type

2.19(d) x 0.54(w) x 0.47(h) in. (5.57 x 1.38 x 1.19cm)

Environment

Weight 0.04 lb. (.02 kg)

Transceiver form factor SFP+ QuickSpecs HPE 10Gb SFP+ Transceivers

Technical Specifications

Gigabit connectivity up to 220 m on legacy multimode fiber. Operating temperature 32°F to 158°F (0°C to 70°C)
Operating relative humidity 0% to 85%, noncondensing

Non-operating/Storage -4°F to 185°F (-40°C to 85°C)

temperature

1 w

Altitude Up to 10,000 ft. (3 km)

Electrical characteristics

Cabling

Power consumption typical $0.7~\mathrm{W}$

Power consumption

maximum

Cable type

 $62.5/125~\mu m$ or $50/125~\mu m$ (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:

• 0.5-220m with 62.5 μ m multimode cable @ 160/500 MHz*km

• 0.5-220m with 62.5 μ m multimode cable @ 200/500 MHz*km

• 0.5-100m with 50 μ m multimode cable @ 400/400 MHz*km

• 0.5-220m with 50 μ m multimode cable @ 500/500 MHz*km

• 0.5-220m with 50 μ m multimode cable @ 1500/500 MHz*km

Cable length 0.5m to 220m

Fiber type Multi-Mode

Notes For OM3 cable (50 μ m 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

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QuickSpecs HPE 10Gb SFP+ Transceivers

Summary of Changes

Date	Version History	Action	Description of Change
09-Sep-2016	From Version 1 to 2	Changed	Technical Specifications section was updated
26-Aug-2016	Version 1	Created	New QuickSpecs





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