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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

Technical Specifications

**HP BladeSystem c- Ports
 Class 10Gb SFP+
 SR Transceiver
 (455883-B21)**

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

A 10-Gigabit transceiver in SFP+ form-factor that supports the 10-Gigabit SR standard, providing 10-Gigabit connectivity up to 300 m on multimode fiber.

Connectivity	Connectivity Connector type	LC
	Wavelength	850 nm
Physical characteristics	Dimensions	2.19(d) x 0.54(w) x 0.47(h) in. (5.57 x 1.38 x 1.19 cm)
Environment	Weight	0.04 lb. (0.02 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 temperature	-4°F to 185°F (-40°C to 85°C)
	Altitude	Up to 10,000 ft. (3 km)
Electrical characteristics	Power consumption typical	0.6w
	Power consumption Maximum	0.8w
Cabling	Cable Type	62.5/125 μ m or 50/125 μ 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.
		Maximum distance: <ul style="list-style-type: none"> • 2-26 m with 62.5 μm multimode cable @ 160 MHz/km • 2-33 m with 62.5 μm multimode cable @ 200 MHz/km • 2-66 m with 50 μm multimode cable @ 400 MHz/km • 2-82 m with 50 μm multimode cable @ 500 MHz/km • 2-300 m with 50 μm 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.	

Technical Specifications

Class 10Gb SFP+ LR Transceiver (455886-B21)

802.3aq Type 10Gbase-LR); Duplex: full only

A 10-Gigabit transceiver in SFP+ form-factor that supports the 10-Gigabit LR standard, providing 10-Gigabit connectivity up to 10 km on single-mode fiber.

Connectivity	Connector type	LC
	Wavelength	1310 nm
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)
Environment	Transceiver form factor	SFP+
	Operating temperature	32°F to 158°F (0°C to 70°C)
Electrical characteristics	Operating relative humidity	0% to 85%, noncondensing
	Non-operating/Storage temperature	-4°F to 185°F (-40°C to 85°C)
	Altitude	Up to 10,000 ft. (3 km)
	Power consumption typical	0.9 w
Cabling	Power consumption Maximum	1 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"> • 2m-10km with 9/125 μm single-mode cable
	Cable length	2m to 10km
Notes	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.
		For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HP BladeSystem c- Ports Class 10Gb SFP+ LRM Transceiver (455889-B21)

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

A 10-Gigabit transceiver in SFP+ form-factor that supports the 10-Gigabit LRM standard, for 10-

Connectivity	Connector type	LC
	Wavelength	1310 nm
Physical characteristics	Dimensions	2.19(d) x 0.54(w) x 0.47(h) in. (5.57 x 1.38 x 1.19cm)
	Weight	0.04 lb. (.02 kg)
Environment	Transceiver form factor	SFP+

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 temperature	-4°F to 185°F (-40°C to 85°C)
	Altitude	Up to 10,000 ft. (3 km)
Electrical characteristics	Power consumption typical	0.7 w
	Power consumption maximum	1 w
Cabling	Cable type	62.5/125 μ m or 50/125 μ 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:
		<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	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
Services		For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

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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