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-Class 10Gb SFP+ SR Transceiver (455883-B21) 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.	**Ports**		1 LC 10-GbE port (IEEE 802.3ae Type 10Gbase-SR); Duplex: full only
	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 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. Maximum distance: • 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.

Technical Specifications

	Services	For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.	

HP BladeSystem c-Class 10Gb SFP+ LR Transceiver (455886-B21) 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.	**Ports**	1 LC 10-GbE port (IEEE 802.3aq Type 10Gbase-LR); Duplex: full only	
	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)
	Environment	**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 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 µm 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 Hewlett Packard Enterprise sales office.	

HP	**Ports**	1 LC 10-GbE port (IEEE

Technical Specifications

BladeSystem c-Class 10Gb SFP+ LRM Transceiver (455889-B21) A 10-Gigabit transceiver in SFP+ form-factor that supports the 10-Gigabit LRM standard, for 10-Gigabit connectivity up to 220 m on legacy multimode fiber.		802.3aq Type 10Gbase-LRM); Duplex: full only	
	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)
	Environment	**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 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 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 (a mode conditioning patch cord may be needed in some multimode fiber installations). Maximum distance: • 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 µm 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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