

Overview

HPE 10Gb SFP+ Transceivers

Models

Recommended

These transceivers are recommended options that have been selected by HPE experts to provide the right technology for a range of workloads and market segments offering the best combination of performance, value and availability.

HPE BladeSystem c-Class 10Gb SFP+ SR Transceiver

455883-B21

HPE BladeSystem c-Class 10Gb SFP+ LR Transceiver

455886-B21

Service and Support

HPE Pointnext - Service and Support

Get the most from your HPE Products. Get the expertise you need at every step of your IT journey with **HPE Pointnext Services**. We help you lower your risks and overall costs using automation and methodologies that have been tested and refined by HPE experts through thousands of deployments globally. HPE Pointnext **Advisory Services** focus on your business outcomes and goals, partnering with you to design your transformation and build a roadmap tuned to your unique challenges. Our **Professional** and **Operational Services** can be leveraged to speed up time-to-production, boost performance and accelerate your business. HPE Pointnext specializes in flawless and on-time implementation, on-budget execution, and creative configurations that get the most out of software and hardware alike.

Consume IT on your terms

HPE GreenLake brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake accelerates digital transformation in a distributed, edge-to-cloud world.

- Get faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

Managed services to run your IT operations

HPE GreenLake Management Services provides services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

Recommended Services

HPE Pointnext Tech Care.

HPE Pointnext Tech Care is the new operational service experience for HPE products. Tech Care goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Pointnext Tech Care has been reimagined from the ground up to support a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Pointnext Tech Care is available in three response levels. Basic, which provides 9x5 business hour availability and a 2 hour response time. Essential which provides a 15 minute response time 24x7 for most enterprise level customers, and Critical which includes a 6 hour repair commitment where available and outage management response for severity 1 incidents.

<https://www.hpe.com/services/techcare>

HPE Pointnext Complete Care

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts. HPE Pointnext Complete Care provides:

- A complete coverage approach -- edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI driven customer experience

<https://www.hpe.com/services/complecare>



Service and Support

Warranty and Support Services

Warranty and Support Services will extend to include HPE options configured with your server or storage device. The price of support service is not impacted by configuration details. HPE sourced options that are compatible with your product will be covered under your server support at the same level of coverage allowing you to upgrade freely. Installation for HPE options is available as needed. To keep support costs low for everyone, some high value options will require additional support. Additional support is only required on select high value workload accelerators, fibre switches, InfiniBand and UPS options 12KVA and over. Coverage of the UPS battery is not included under TS support services; standard warranty terms and conditions apply.

Protect your business beyond warranty with HPE Support Services

HPE Technology Services delivers confidence, reduces risk and helps customers realize agility and stability. Connect to HPE to help prevent problems and solve issues faster. HPE Support Services enable you to choose the right service level, length of coverage and response time as you purchase your new server, giving you full entitlement to the support you need for your IT and business. Protect your product, beyond warranty.

Parts and Materials

Hewlett Packard Enterprise will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements. Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services. The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction.

For more information

Visit the Hewlett Packard Enterprise Service and Support [website](#).



Technical Specifications

HPE BladeSystem c-Class 10Gb SFP+ SR Transceiver (455883-B21) **Notes: 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: <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.	



Technical Specifications

HPE BladeSystem c-Class 10Gb SFP+ LR Transceiver (455886-B21)	Notes: 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)
	Electrical characteristics	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)	
		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
	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.		

Operating System and Virtualization Support The Operating Systems supported by this adapter are based on the server OS support. Please refer to the OS Support Matrix at <https://www.hpe.com/us/en/servers/server-operating-systems.html>.

Environment-friendly Products and Approach - End-of-life Management and Recycling Hewlett Packard Enterprise offers end-of-life **product return, trade-in, and recycling programs** in many geographic areas, for our products. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner. The EU WEEE Directive (2012/19/EU) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the **Hewlett Packard Enterprise web site**. These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

Summary of Changes

Date	Version History	Action	Description of Change
15-Nov-2021	Version 4	Changed	Service and Support Section was updated
05-Feb-2018	Version 3	Changed	Overview section was updated
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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