

Overview

HPE 25G and 100G Transceivers

Models

HPE 25Gb SFP28 SR 100m Transceiver	845398-B21
HPE 100Gb QSFP28 MPO SR4 100m Transceiver	845966-B21
HPE 100Gb QSFP28 Bidirectional Transceiver	845972-B21
HPE Synergy 100GbE/4x25GbE/4x32GbFC QSFP28 Transceiver	882251-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

Service and Support

- Enhanced Incident Management experience with priority access
- Digitally enabled and AI driven customer experience

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

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 QuickSpecs, 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 25Gb SFP28 SR 100m Transceiver (845398-B21)	Notes: A 25-Gigabit transceiver in SFP28 form-factor that supports the SR standard, providing 25-Gigabit connectivity up to 100m on multi-mode fiber. This transceiver does not function at 10-Gigabit.		
	Ports	1 LC 25-GbE port (IEEE 802.3 Type 25Gbase-SR) duplex full only	
	Connectivity	Connector type	LC
		Wavelength	850 nm
	Physical characteristics	Dimensions	0.54 x 2.19 x 0.47 in. (13.8 x 55.7 x 11.9 mm)
		Weight	0.04 lb. (20 g)
		Transceiver form factor	SFP28
	Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
		Operating relative humidity	0% to 85%, noncondensing
		Non-operating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
	Electrical characteristics	Voltage Supply	3.3 V
		Power consumption maximum	1.5 W
	Cabling	Cable type	OM3, OM4
		Cable length	Up to 70m (OM3); up to 100m (OM4)
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	Refer to the Hewlett Packard Enterprise website for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office. https://www.hpe.com/us/en/servers.html		

Technical Specifications

HPE 100Gb QSFP28 MPO SR4 100m Transceiver (845966-B21)	Notes: A 100-Gigabit transceiver in QSFP28 form-factor that supports the 4x25-Gigabit SR4 standard, providing 100-Gigabit connectivity up to 100m.		
	Ports	1 MPO 100-GbE port (IEEE 802.3 Type 100Gbase-SR4)	
	Connectivity	Connector type	MPO
		Wavelength	850 nm
	Physical characteristics	Dimensions	0.72 x 2.86 x 0.33 in. (18.35 x 72.7 x 8.5 mm)
		Weight	0.08 lb. (36 g)
		Transceiver form factor	QSFP28
	Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
		Operating relative humidity	0% to 85%, noncondensing
		Non-operating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
	Electrical characteristics	Voltage Supply	3.3 V
		Power consumption maximum	3.5 W
	Cabling	Cable type	OM3, OM4
		Cable length	Up to 70m (OM3); up to 100m (OM4)
		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	Refer to the Hewlett Packard Enterprise website at: https://www.hpe.com/us/en/servers.html for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.	

Technical Specifications

HPE 100Gb QSFP28 Bidirectional Transceiver (845972-B21)	Notes: A 100-Gigabit transceiver in QSFP28 form-factor that supports the 4x25-Gigabit Bidirectional standard, providing 100-Gigabit connectivity up to 100m.		
	Ports	1 LC 100-GbE port (IEEE 802.3 Type 100Gbase-Bidi)	
	Connectivity	Connector type	LC
		Wavelength	855 nm / 908 nm
	Physical characteristics	Dimensions	0.73 x 5.07 x 0.51 in. (18.60 x 128.8 x 12.90 mm)
		Weight	0.097 lb. (44 g)
		Transceiver form factor	QSFP28
	Environment	Operating temperature	50°F to 140°F (10°C to 60°C)
		Operating relative humidity	5% to 95%, noncondensing
		Non-operating/Storage temperature	-40°F to 185°F (-40°C to 85°C)
	Electrical characteristics	Voltage Supply	3.3 V
		Power consumption maximum	3.5 W
	Cabling	Cable type	OM3, OM4, OM5
		Cable length	Up to 70m (OM3); up to 100m (OM4); up to 150m (OM5)
		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	Refer to the Hewlett Packard Enterprise website at: https://www.hpe.com/us/en/servers.html for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.		

Technical Specifications

HPE 100Gb/4x25G/4x32G FC QSFP28 Transceiver (882251-B21)	Ports	1 MPO 100-GbE port (IEEE 802.3 Type 100Gbase-SR4)		
	Connectivity	Connector type	MPO	
		Wavelength	850 nm	
	Physical characteristics	Dimensions	0.72 x 4.81 x 0.51 in. (18.35 x 122.3 x 12.90 mm)	
		Weight	0.097 lb. (44 g)	
		Transceiver form factor	QSFP28	
	Environment	Operating temperature	32°F to 158°F (0°C to 70°C)	
		Operating relative humidity	5% to 95%, noncondensing	
		Non-operating/Storage temperature	-40°F to 185°F (-40°C to 85°C)	
	Electrical characteristics	Voltage Supply	3.3 V	
		Power consumption maximum	3.5 W	
	Safety	IEC-60825 and CDRH eye safety compliance	Class1	
	Cabling	Cable type	OM3, OM4	
		Cable length	Link Distances 100m OM4 (1.0dB Loss) and 85m OM4 (1.5dB Loss)	
		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	Refer to the Hewlett Packard Enterprise website at: https://www.hpe.com/us/en/servers.html for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.			

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 10	Changed	Service and Support section was updated
14-Jun-2021	Version 9	Changed	Technical specifications sections were updated
06-Apr-2021	Version 8	Changed	QuickSpecs was updated
16-Mar-2020	Version 7	Updated	Technical specification section was updated
03-Sep-2019	Version 6	updated	Add 882251-B21
04-Feb-2019	Version 5	Changed	Technical specifications sections were updated
03-Dec-2018	Version 4	Changed	Overview and Technical Specifications sections were updated.
		Added	SKU added : 845972-B21
01-Oct-2018	Version 3	Changed	Electrical characteristics section for SKU 845966-B21 was revised.
05-Feb-2018	Version 2	Changed	Technical specifications sections was updated
06-Jun-2016	Version 1	Created	New QuickSpecs.

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