

HPE 25G and 100G Transceivers QuickSpecs

HPE 25G and 100G Transceivers deliver high-performance optical connectivity for modern data-center, compute, and networking environments.

HPE 25G and 100G Transceivers provide standards-based Ethernet connectivity that scales to meet high-bandwidth infrastructure needs, with options ranging from 25Gb SFP28 SR optics to versatile 100Gb QSFP28 modules including SR4, bidirectional, and multi-protocol variants. Validated interoperability and support from HPE Services help ensure consistent performance, streamlined operations, and simplified lifecycle management across hybrid environments.

Overview

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 100Gb QSFP28 SR1.2 LC MMF 100m Bidirectional Transceiver	P90358-B21
HPE Synergy 100GbE/4x25GbE/4x32GbFC QSFP28 Transceiver	882251-B21

Service and Support

For the most up-to-date information on HPE Services, please refer to the [HPE Services – Supplemental QuickSpecs](#), which provides a comprehensive and regularly updated overview of available services.

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 100 m on multimode 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 70 m (OM3); up to 100 m (OM4)
		Fiber type Multimode
	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 100 m.		
	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 70 m (OM3); up to 100 m (OM4)
		Fiber type	Multimode
	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 100 m.		
	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 70 m (OM3); up to 100 m (OM4); up to 150 m (OM5)
		Fiber type	Multimode
	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 SR1.2 LC MMF 100m Bidirectional Transceiver (P90358-B21)	Notes: A 100-Gigabit transceiver in QSFP28 form-factor that supports the 4x25-Gigabit 2 nd Generation Bidirectional standard (SR1.2), providing 100-Gigabit connectivity up to 100 m.		
	Ports	1 LC 100-GbE port (IEEE 802.3 Type 100Gbase-Bidi)	
	Connectivity	Connector type	LC
		Wavelength	850 nm / 908 nm
	Physical characteristics	Dimensions	18.35 x 122.0 x 13.0 mm
		Weight	44 g
		Transceiver form factor	QSFP28
	Environment	Operating temperature	0°C to 70°C
		Operating relative humidity	0% to 85%, noncondensing
		Non-operating/Storage temperature	-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 70 m (OM3); up to 100 m (OM4); up to 150 m (OM5)
		Fiber type	Multimode
	Notes: - For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. - Angled Physical Contact (APC) is not recommended. 2nd generation (SR1.2) bidirectional transceivers are not compatible with 1st generation bidirectional transceivers because of a difference in their FEC (forwarding error correction) algorithms.		
	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	Class 1
	Cabling	Cable type	OM3, OM4
		Cable length	Link distances 100 m OM4 (1.0 dB loss) and 85 m OM4 (1.5 dB loss)
		Fiber type	Multimode
	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
03-Aug-2026	Version 13	Updated	Overview, Service and Support, and Technical Specifications sections were updated.
		Added	SKU added: P90358-B21 HPE 100Gb QSFP28 SR1.2 BiDi XCVR
16-Feb-2026	Version 12	Changed	New branding applied to document
04-Dec-2023	Version 11	Changed	Service and Support section was updated
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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