

Overview

HPE StoreFabric Optical Transceivers

Models

HPE 10Gb SFP+ SR 100m Transceiver	Q6M30A
HPE 25Gb SFP28 SW 1-pack Pull Tab XCVR	Q2P64A
HPE 40Gb QSFP28 MPO SR4 100m Transceiver	Q7F11A
HPE 100Gb QSFP28 MPO SR4 100m Transceiver	Q2F19A
HPE 100GbE QSFP28 PSM4 2km Transceiver	Q2F20A
HPE 100GbE QSFP28 1310nm PSM4 500m Transceiver	Q8J73A

Technical Specifications

HPE 10Gb SFP+ SR 300m Transceiver (Q6M30A)

A 10-Gigabit transceiver in SFP+ form-factor that supports the SR standard, providing 10-Gigabit connectivity up to 300m on multi-mode fiber. Up to 300m (OM3); up to 375m (OM4).

Ports

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

Connectivity

Connectivity Connector type LC

Wavelength 850 nm

Dimensions 2.19(d) x 0.54(w) x 0.47(h) in. (55.7 x 13.8 x 11.9 cm)

Physical characteristics

Weight 0.04 lb. (20 g)

Environment

Transceiver form factor SFP+

Operating temperature 32°F to 158°F (0°C to 70°C)

Operating relative humidity 5% 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 0.5w

Power consumption Maximum 1.0w

Cabling

Cable Type OM3, OM4.

Cable length Up to 300m (OM3), up to 375m (OM4)

Fiber type Multi-Mode

NOTE: For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish.

NOTE: 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

HPE 25Gb SFP28 SR 100m Transceiver (Q2P64A)

A 25-Gigabit transceiver in SFP28 form-factor that supports the SR standard, providing 25-Gigabit connectivity up to 100m on multi-mode fiber. Up to 70m (OM3); up to 100m (OM4).

Ports

Connectivity

Physical characteristics

Environment

Electrical characteristics

Cabling

Notes

Services

1 LC 25-GbE port (IEEE 802.3 Type 25Gbase-SR); Duplex: full only

Connectivity Connector type LC

Wavelength 850 nm

Dimensions 2.19(d) x 0.54(w) x 0.47(h) in. (55.7 x 13.8 x 11.9 cm)

Weight 0.04 lb. (20 g)

Transceiver form factor SFP28

Operating temperature 32°F to 158°F (0°C to 70°C)

Operating relative humidity 5% to 85%, noncondensing

Non-operating temperature -4°F to 185°F (-40°C to 85°C)

Altitude Up to 10,000 ft. (3 km)

Power consumption typical 0.7w

Power consumption Maximum 0.8w

Cable Type OM3, OM4

Cable length Up to 70m (OM3), up to 100m (OM4)

Fiber type Multi-Mode

For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish. Angled Physical Contact (APC) is not recommended.

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Technical Specifications

HPE 40Gb QSFP28 Ports

MPO SR4 100m

Transceiver Transceiver (Q7F11A)

A 40-Gigabit transceiver in QSFP+ form-factor that supports the 4x10-Gigabit SR standard, providing 40-Gigabit connectivity up to 100m with multi-mode fiber .

Connectivity	1 MPO 40-GbE port (IEEE 802.3 Type 40Gbase-SR4);	Connector type	MPO
Physical characteristics		Wavelength	850 nm
Environment		Dimensions	0.72 x 2.86 x 0.33 in. (18.35 x 72.7 x 8.5 mm)
Electrical characteristics		Weight	0.08 lb. (36 g)
Cabling		Transceiver form factor	QSFP+
		Operating temperature	32°F to 158°F (0°C to 70°C)
		Operating relative humidity	5% 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	2.3 w
		Power consumption Maximum	2.5 w
		Cable type	OM3, OM4
		Cable length	Up to 70m (OM3), up to 100m OM4
		Fiber type	Multi-Mode

NOTE: Conditioning patch cord cables are not supported.

NOTE: For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish.

NOTE: Angled Physical Contact (APC) is not recommended.

Services

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Technical Specifications

HPE 100Gb QSFP28 MPO SR4 100m Transceiver (Q2F19A)

A 100-Gigabit transceiver in QSFP28 form-factor that supports the 4x25-Gigabit SR4 standard, providing 100-Gigabit connectivity up to 100m on using standard MPO connector with multi-mode fiber. Each channel/fiber operates at signaling rates up to 25.78125 GBd

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)

Environment

Weight 0.08 lb. (36 g)

Transceiver form factor QSFP28

Operating temperature 32°F to 158°F (0°C to 70°C)

Operating relative humidity 5% to 85%, noncondensing

Non-operating/Storage temperature -4°F to 185°F (-40°C to 85°C)

Electrical characteristics

Altitude Up to 10,000 ft. (3 km)

Power consumption typical 2.3 w

Power consumption maximum 2.5 w

Cabling

Cable type OM3, OM4

Cable length Up to 70m (OM3), up to 100m (OM4)

Fiber type Multi-Mode

NOTE: Conditioning patch cord cables are not supported.

NOTE: For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish.

NOTE: Angled Physical Contact (APC) is not recommended.

Services

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Technical Specifications

HPE 100Gb QSFP28 MPO PSM4 2km Transceiver (Q2F20A)

A 100-Gigabit transceiver in QSFP28 form-factor that supports the 100-Gigabit PSM4 standard. The transceiver operates over PSM4 parallel single mode ribbon fiber, up to 2km link

Ports	1 MPO 100-GbE port (IEEE 802.3bm Type 100G PSM4);
Connectivity	Connector type MPO
Physical characteristics	Wavelength 1550 nm
Environment	Dimensions 0.72 x 2.86 x 0.33 in. (18.35 x 72.7 x 8.5 mm)
Electrical characteristics	Weight 0.08 lb. (36 g)
Cabling	Transceiver form factor QSFP28
	Operating temperature 32°F to 158°F (0°C to 70°C)
	Operating relative humidity 5% 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 2.5 w
	Power consumption maximum 2.7 w
	Cable type Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and ISO/IEC 793-2 Type B1
	Cable length Up to 2km
	Fiber type Single Mode

NOTE: Conditioning patch cord cables are not supported.

NOTE: For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish.

NOTE: Angled Physical Contact (APC) is required to reduce reflection.

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

Technical Specifications

HPE 100GbE QSFP28 1310nm PSM4 500m Transceiver (Q8J73A)

A 100-Gigabit transceiver in QSFP28 form-factor that supports the 100-Gigabit PSM4 standard. The transceiver operates over PSM4 parallel single mode ribbon fiber, up to 500m link

Ports

1 MPO 100-GbE port (IEEE 802.3bm Type 100G PSM4);

Connectivity

Connector type MPO

Wavelength 1310 nm

Physical characteristics

Dimensions 0.72 x 2.86 x 0.33 in. (18.35 x 72.7 x 8.5 mm)

Environment

Weight 0.08 lb. (36 g)

Transceiver form factor QSFP28

Operating temperature 32°F to 158°F (0°C to 70°C)

Operating relative humidity 5% 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 2.5 w

Power consumption maximum 2.7 w

Cabling

Cable type Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and ISO/IEC 793-2 Type B1

Cable length Up to 500m

Fiber type Single Mode

NOTE: Conditioning patch cord cables are not supported.

NOTE: For fiber patch cords, use Ultra Physical Contact (UPC) surface termination/polish.

NOTE: Angled Physical Contact (APC) is required to reduce reflection.

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
04-Dec-2017	From Version 1 to 2	Added	Added new 25GbE and 100GbE transceivers.
25-Sept-2017	Version 1	Created	New QuickSpecs



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