

LSXM1CGQ18QGHB1 (JH422A) 18-port 100G QSFP28/18-port 40G QSFP+ fiber interface card

1 Card identifier

The card identifier LSXM1CGQ18QGHB1 is at the upper right corner of the front panel.

2 Specifications

⚠ CAUTION:

This card can be used only with Type H switching fabric modules, which have a character string of **SFH** in their card identifiers (for example, LSXM1**SFH**16C1). Card damage will occur if this card is used with a switching fabric module that is not Type H.

NOTE:

Switching fabric module slots are covered by fan trays. To verify the card identifiers of the switching fabric modules while the switch is operating, use the **display device** command.

Table 1 Card specifications

Item	Specification
Processor	MIPS64 (Dual Core) @ 1.2 GHz.
SDRAM	16 GB DDR3 SDRAM
Power consumption	361 W to 565 W
Interfaces	<ul style="list-style-type: none"> 18 × QSFP28 ports 18 × QSFP+ ports
Transmission rate	<ul style="list-style-type: none"> QSFP28 port: 100/40 Gbps. QSFP+ ports: 40 Gbps.
Transmission medium and max transmission distance	See Table 2 , Table 3 , Table 4 , and Table 5
Compatible device models	HPE FlexFabric 12900E Switch Series.
Compatible switching fabric modules	Type H switching fabric modules

ⓘ IMPORTANT:

To verify compatibility of the card with the software release you are using, see the release notes.

NOTE:

Transceiver modules and cables supported by the 40G QSFP+ ports are compatible with the 100G QSFP28 ports.

Table 2 and Table 3 describe the transceiver modules and cables supported by 100G QSFP28 ports, respectively.

Table 2 Transceiver modules supported by 100G QSFP28 ports

Product code	Module description	Central wavelength	Connector	Cable specifications	Modal bandwidth	Maximum transmission distance
JL274A	HPE X150 100G QSFP28 MPO SR4 100m MM Transceiver	850 nm	MPO (PC polished, 12-fiber)	50/125 μ m multimode optical fiber	2000 MHz*km	70 m (229.66 ft)
					4700 MHz*km	100 m (328.08 ft)

NOTE:

PC is the acronym for physical contact. A PC-polished connector has the end face polished without an angle.

Table 3 Cables supported by 100G QSFP28 ports

Product code	Description	Cable length	Data rate
JL271A	HPE X240 100G QSFP28 to QSFP28 1m Direct Attach Copper Cable	1 m (3.28 ft)	100 Gbps
JL272A	HPE X240 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable	3 m (9.84 ft)	

Table 4 and Table 5 describe the transceiver modules and cables supported by 40G QSFP+ ports, respectively.

Table 4 Transceiver modules supported by 40G QSFP+ ports

Product code	Module description	Central wavelength (nm)	Connector	Fiber diameter (μ m)	Multimode fiber modal bandwidth (MHz x km)	Max transmission distance
JG325B	HPE X140 40G QSFP+ MPO SR4 Transceiver	850	MPO	Multimode, 50/125	2000	100 m (328.08 ft)
					4700	150 m (492.13 ft)
JG709A	HPE X140 40G QSFP+ MPO MM 850nm CSR4 300m Transceiver	850	MPO	Multimode, 50/125	2000	300 m (984.25 ft)
					4700	400 m (1312.33 ft)
JG661A	HPE X140 40G QSFP+ LC LR4 SM 10km 1310nm Transceiver	1310	LC	single-mode, 9/125	N/A	10 km (6.21 miles)

Table 5 Cables supported by 40G QSFP+ ports

Product code	Description	Cable length	Remarks
JG326A	HPE X240 40G QSFP+ QSFP+ 1m Direct Attach Copper Cable	1 m (3.28 ft)	Used to connect two 40G QSFP+ ports, two 100G QSFP28 ports, or one 40G QSFP+ port and one 100G QSFP28 port
JG327A	HPE X240 40G QSFP+ QSFP+ 3m Direct Attach Copper Cable	3 m (9.84 ft)	
JG328A	HPE X240 40G QSFP+ QSFP+ 5m Direct Attach Copper Cable	5 m (16.40 ft)	

3 Obtaining documentation

For card installation, see *HPE FlexFabric 12900E Switch Series Installation Guide*.

For software upgrade, see *HPE FlexFabric 12900E Switch Series Software Upgrade Guide*.

To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:

www.hpe.com/support/hpesc



5200-1259

The information in this document is subject to change without notice.

© Copyright 2016 Hewlett Packard Enterprise Development LP