

LSVM1QGS12FX1 12-port 40-GE QSFP+ fiber interface card-(JG683B/JH127A)

1 Card identifier

The card identifier LSVM1QGS12FX1 is at the upper right corner of the front panel.

2 Specifications

Table 1 Card specifications

Item	Specification
Processor	MIPS64 (Dual Core) @ 1.0 GHz.
SDRAM	4 GB DDR3 SDRAM.
Power consumption	160 W to 230 W.
Connector	<ul style="list-style-type: none"> • MPO. • LC.
Interfaces	12 QSFP+ ports.
Transmission rate	40 Gbps.
Transmission medium and max transmission distance	See Table 2 , Table 3 , and Table 4 .
Compatible device models	HP FlexFabric 7900 Switch Series

NOTE:

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

The card supports transceiver modules and cables described in [Table 2](#), [Table 3](#), and [Table 4](#).

Table 2 QSFP+ transceiver module specifications

Product Code	Module description	Central wavelength (nm)	Connector	Fiber diameter (μm)	Multimode fiber modal bandwidth (MHz × km)	Max transmission distance
JG325B	HP X140 40G QSFP+ MPO SR4 Transceiver	850	MPO	Multi-mode, 50/125	2000	100 m (328.08 ft)
					4700	150 m (492.12 ft)
JG709A	HP X140 40G QSFP+ MPO MM 850nm CSR4 300m Transceiver	850	MPO	Multi-mode, 50/125	2000	300 m (984.25 ft)
					4700	400 m (1312.33 ft)
JG661A	HP X140 40G QSFP+ LC LR4 SM 10km 1310nm Transceiver Module	Four lanes: <ul style="list-style-type: none"> • 1271 • 1291 • 1311 • 1331 	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)

NOTE:

The JG325B and JG709A transceiver modules can be used to connect one 40G QSFP+ port to four 10G SFP+ ports. The QSFP+ transceiver modules and SFP+ transceiver modules to be connected must be the same in specifications, including central wavelength and fiber diameter.

Table 3 QSFP+ cable specifications

Product code	Description	Cable length	Remarks
JG326A	HP X240 40G QSFP+ QSFP+ 1m Direct Attach Copper Cable	1 m (3.28 ft)	
JG327A	HP X240 40G QSFP+ QSFP+ 3m Direct Attach Copper Cable	3 m (9.84 ft)	Used for connecting 40 Gbps QSFP+ ports.
JG328A	HP X240 40G QSFP+ QSFP+ 5m Direct Attach Copper Cable	5 m (16.40 ft)	

Table 4 QSFP+ to SFP+ cable specifications

Product code	Description	Cable length	Remarks
JG329A	HP X240 40G QSFP+ to 4x10G SFP+ 1m Direct Attach Copper Splitter Cable	1 m (3.28 ft)	
JG330A	HP X240 40G QSFP+ to 4x10G SFP+ 3m Direct Attach Copper Splitter Cable	3 m (9.84 ft)	Used for connecting a 40 Gbps QSFP+ port to four 10 Gbps SFP+ ports.
JG331A	HP X240 40G QSFP+ to 4x10G SFP+ 5m Direct Attach Copper Splitter Cable	5 m (16.40 ft)	

3 Obtaining documentation

For card installation, see *HP FlexFabric 7900 Switch Series Installation Guide*.

For software upgrade, see *HP FlexFabric 7900 Switch Series Software Upgrade Guide*.

To find related documents, browse to the Manuals page of the HP Business Support Center website:

<http://www.hp.com/support/manuals>

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