

# LSXM1QGS36FX1 (JH045A) 36-port 40-GE QSFP+ fiber interface card

## 1 Card identifier

The card identifier LSXM1QGS36FX1 is at the upper right corner of the front panel.

## 2 Specifications

**Table 1 Card specifications**

Item	Specification
Processor	MIPS64 (Dual Core) @ 1.2 GHz.
SDRAM	4 GB DDR3 SDRAM.
Power consumption	396 W to 645 W.
Connector	<ul style="list-style-type: none"> <li>MPO.</li> <li>LC.</li> </ul>
Interfaces	36 QSFP+ ports.
Transmission rate	40 Gbps.
Transmission medium and max transmission distance	See <a href="#">Table 2</a> , <a href="#">Table 3</a> , and <a href="#">Table 4</a> .
Compatible device models	<ul style="list-style-type: none"> <li>HPE FlexFabric 12900 Switch</li> <li>HPE FlexFabric 12900E Switch</li> </ul>
Compatible switching fabric modules	<ul style="list-style-type: none"> <li>HPE FlexFabric 12900 switch: All types of switching fabric modules</li> <li>HPE FlexFabric 12900E switch: Type F switching fabric modules</li> </ul>

**NOTE:**

- To verify compatibility of the card with the software release you are using, see the release notes.
- Remove the protection box from the card before you install the card.
- Follow these guidelines to install the card:
  - On an HPE FlexFabric 12900 switch, install the card directly in the target slot.
  - On an HPE FlexFabric 12900E switch, install an interface module adapter in the target slot before you install the card. No interface module adapter is provided with the card, purchase one before installation.
- For an HPE FlexFabric 12900E switch, this card can be used only with Type F switching fabric modules, which have a character string of **SFF** in their card identifiers (for example, LSXM1**SFF**16C1). This card cannot operate correctly if it is used with a switching fabric module that is not Type F.

**NOTE:**

On an HPE FlexFabric 12900E switch, 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.

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	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 3 QSFP+ cable specifications**

Product code	Description	Cable length	Remarks
JG326A	HPE X240 40G QSFP+ QSFP+ 1m Direct Attach Copper Cable	1 m (3.28 ft)	Used for connecting 40 Gbps QSFP+ ports
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)	

**Table 4 QSFP+ to SFP+ cable specifications**

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

### 3 Obtaining documentation

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

For software upgrade, see *HPE FlexFabric 12900 Switch Series Software Upgrade Guide* or *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](http://www.hpe.com/support/hpesc)



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