HPE FlexNetwork 7500X 48-port 10G SFP+ SG module-LSQM2TGS48SG0 (R8R43A)

1 Identifier

The module identifier LSQM2TGS48SG0 is in the upper right of the front panel.

2 Specifications

Table 1 Module specifications

Item	Specifications
Dimensions (H × W × D)	40 × 399 × 352 mm (1.57 × 15.71 × 13.86 in)
SDRAM	2 GB
Power consumption	67 W to 152 W
Ports	48 × 10GBASE-R-SFP+ fiber ports
Port speed	10 Gbps.
Transmission medium and max transmission distance	See Table 2, Table 3, and Table 4
Applicable hardware platforms	HPE FlexNetwork 7500X

NOTE:

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

Table 2 describes the SFP transceiver modules available for the SFP ports on the module

Table 2 SFP transceiver module specifications

Product code	HPE description	Central wavelength	Fiber specifications	Modal bandwidth (MHz*km)	Max transmission distance
JD089B	HPE X120 1G SFP RJ45 T Transceiver	N/A	Category-5 twisted pair cable	N/A	100 m (0.06 miles)
JD118B	HPE X120 1G SFP LC SX Transceiver	850	50/125, multi-mode optical fiber	500	550 m (0.34 miles)
				400	
			62.5/125, multi-mode optical fiber	200	275 m (0.17 miles)
				160	

Product code	HPE description	Central wavelength	Fiber specifications	Modal bandwidth (MHz*km)	Max transmission distance
JD119B	HPE X120 1G SFP LC LX Transceiver	1310	9/125, single-mode optical fiber	N/A	10 km (6.21 miles)
			50/125, multi-mode optical fiber	500 or 400	550 m (1804.46 ft)
			62.5/125, multi-mode optical fiber	500	550 m (1804.46 ft)
JD103A	HPE X120 1G SFP LC LH100 Transceiver	1550	9/125, single-mode optical fiber	N/A	100 km (62.14 miles)
JD098B	HPE X120 1G SFP LC BX 10-U Transceiver	RX: 1490 TX: 1310	9/125, single-mode optical fiber	N/A	10 km (6.21 miles)
JD099B	HPE X120 1G SFP LC BX 10-D Transceiver	RX: 1310 TX: 1490	9/125, single-mode optical fiber	N/A	10 km (6.21 miles)

NOTE:

BIDI modules must be used in matched pairs. If a JD098B is used at one end, a JD099B must be used at the other end.

Table 3 describes the SFP+ transceiver modules available for the SFP+ ports on the module.

Table 3 SFP+ transceiver module specifications

Product code	HPE description	Central wavelength (nm)	Fiber specifications (μm)	Modal bandwidth (MHz*km)	Max transmission distance
JD092B	HPE X130 10G SFP+ LC LR Transceiver	850	50/125, multi-mode optical fiber	2000	300 m (984.25 ft)
				500	82 m (269.03 ft)
				400	66 m (216.54 ft)
			62.5/125, multi-mode optical fiber	200	33 m (108.27 ft)
				160	26 m (85.30 ft)
JD094B	HPE X130 10G SFP+ LC LR Transceiver	1310	9/125, single-mode optical fiber	N/A	10 km (6.21 miles)
JG234A	HPE X130 10G SFP+ LC LH 40km Transceiver	1550	9/125, single-mode optical fiber	N/A	40 km (24.86 miles)
JG915A	HPE X130 10G SFP+ LC LH 80km Transceiver	1550	9/125, single-mode optical fiber	N/A	80 km (49.71 miles)

Product code	HPE description	Central wavelength (nm)	Fiber specifications (µm)	Modal bandwidth (MHz*km)	Max transmission distance
JL739A	HPE X130 10G SFP+ LC BiDi 40km-Uplink Transceiver	TX: 1270 RX: 1330	9/125, single-mode optical fiber	N/A	40 km (24.84 miles)
JL740A	HPE X130 10G SFP+ LC BiDi 40km-Downlink Transceiver	TX: 1330 RX: 1270	9/125, single-mode optical fiber	N/A	40 km (24.84 miles)

NOTE:

BIDI transceiver modules must be used in matched pairs. If a JL739A is used at one end, a JL740A must be used at the other end.

Table 4 describes the SFP+ DAC cables available for the SFP+ ports on the module.

Table 4 SFP+ DAC cable specifications

Product code	HPE description	Cable length
JD095C	HPE X240 10G SFP+ SFP+ 0.65m Direct Attach Copper Cable	0.65 m (2.13 ft)
JD096C	HPE X240 10G SFP+ SFP+ 1.2m Direct Attach Copper Cable	1.2 m (3.94 ft)
JD096B	HPE X240 10G SFP+ SFP+ 1.2m Direct Attach Copper Cable	1.2 m (3.94 ft)
JD097C	HPE X240 10G SFP+ SFP+ 3m Direct Attach Copper Cable	3 m (9.84 ft)
JG081C	HPE X240 10G SFP+ SFP+ 5m Direct Attach Copper Cable	5 m (16.40 ft)

3 Obtaining documentation

For module installation, see *HPE FlexNetwork 7500X Switch Series Installation Guide*.

For software upgrade, see *HPE FlexNetwork 7500X Switch Series Software Upgrade Guide*.

To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website at www.hpe.com/support/hpesc.

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