

# LSVM1TGS24FX1 24-port 10-GE SFP+ fiber interface card (JG845A/JH126A)

## 1 Card identifier

The card identifier LSVM1TGS24FX1 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	75 W to 100 W.
Connector	LC.
Interfaces	24 SFP+ ports.
Transmission rate	10/1 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	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 10-Gigabit SFP+ transceiver module specifications**

Product code	Description	Central wavelength (nm)	Fiber diameter (μm)	Modal bandwidth (MHz*km)	Max transmission distance
JD092B	HP X130 10G SFP+ LC SR Transceiver	850	50/125	2000	300 m (984.25 ft)
				500	82 m (269.03 ft)
				400	66 m (216.54 ft)
			62.5/125	200	33 m (108.27 ft)
				160	26 m (85.30 ft)
JD094B	HP X130 10G SFP+ LC LR Transceiver	1310	9/125	N/A	10 km (6.21 miles)
JG234A	HP X130 10G SFP+ LC ER 40km Transceiver	1550	9/125	N/A	40 km (24.86 miles)

Product code	Description	Central wavelength (nm)	Fiber diameter (μm)	Modal bandwidth (MHz*km)	Max transmission distance
JG915A	HP X130 10G SFP+ LC LH 80km Transceiver	1550	9/125	N/A	80 km (49.71 miles)

Table 3 SFP+ cable specifications

Product code	Description	Cable length
JD096C	HP X240 10G SFP+ SFP+ 1.2m Direct Attach Copper Cable	1.2 m (3.94 ft)
JD097C	HP X240 10G SFP+ SFP+ 3m Direct Attach Copper Cable	3 m (9.84 ft)
JG081C	HP X240 10G SFP+ SFP+ 5m Direct Attach Copper Cable	5 m (16.40 ft)

Table 4 Gigabit SFP transceiver module specifications

Product Code	Description	Central wavelength (nm)	Fiber diameter (μm)	Modal bandwidth (MHz*km)	Max transmission distance
JD118B	HP X120 1G SFP LC SX Transceiver	850	50/125	500	550 m (1804.46 ft)
				400	500 m (1640.42 ft)
			62.5/125	200	275 m (902.23 ft)
				160	220 m (721.78 ft)
JD119B	HP X120 1G SFP LC LX Transceiver	1310	9/125	N/A	10 km (6.21 miles)
			50/125	500	550 m (1804.46 ft)
				400	550 m (1804.46 ft)
JD061A	HP X125 1G SFP LC LH40 1310nm Transceiver	1310	9/125	500	550 m (1804.46 ft)
				400	550 m (1804.46 ft)
JD062A	HP X120 1G SFP LC LH40 1550nm Transceiver	1550	9/125	N/A	40 km (24.86 miles)
JD063B	HP X125 1G SFP LC LH70 Transceiver	1550	9/125	N/A	70 km (43.50 miles)
JD103A	HP X120 1G SFP LC LH100 Transceiver	1550	9/125	N/A	100 km (62.14 miles)
JD098B	HP X120 1G SFP LC BX 10-U Transceiver	TX: 1310 RX: 1490	9/125	N/A	10 km (6.21 miles)
JD099B	HP X120 1G SFP LC BX 10-D Transceiver	TX: 1490 RX: 1310	9/125	N/A	10 km (6.21 miles)

Product Code	Description	Central wavelength (nm)	Fiber diameter (μm)	Modal bandwidth (MHz*km)	Max transmission distance
JD113A	HP X170 1G SFP LC LH70 1470 Transceiver	1470	9/125	N/A	70 km (43.50 miles)
JD114A	HP X170 1G SFP LC LH70 1490 Transceiver	1490	9/125	N/A	70 km (43.50 miles)
JD115A	HP X170 1G SFP LC LH70 1510 Transceiver	1510	9/125	N/A	70 km (43.50 miles)
JD116A	HP X170 1G SFP LC LH70 1530 Transceiver	1530	9/125	N/A	70 km (43.50 miles)
JD109A	HP X170 1G SFP LC LH70 1550 Transceiver	1550	9/125	N/A	70 km (43.50 miles)
JD110A	HP X170 1G SFP LC LH70 1570 Transceiver	1570	9/125	N/A	70 km (43.50 miles)
JD111A	HP X170 1G SFP LC LH70 1590 Transceiver	1590	9/125	N/A	70 km (43.50 miles)
JD112A	HP X170 1G SFP LC LH70 1610 Transceiver	1610	9/125	N/A	70 km (43.50 miles)

**!** **IMPORTANT:**

You must use the HP X120 1G SFP LC BX 10-U Transceiver (JD098B) and the HP X120 1G SFP LC BX 10-D Transceiver (JD099B) in pairs.

### 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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