

24-port 10/100/1000BASE-T electrical Ethernet interface + 20-port 1000BASE-X-SFP + 4-port 10GBASE-R-SFP+ optical Ethernet interface card—LSQM2GT24PTSSC0

1 Card identifier

The card identifier LSQM2GT24PTSSC0 is in the upper right corner of the front panel.

2 Specifications

! IMPORTANT:

Before installing the card, you must remove the protection cover from the card to ensure correct installation.

Table 1 Card specifications

Item	Specifications
Card size (H x W x D)	40 x 399 x 355 mm (1.57 x 15.71 x 13.98 in)
SDRAM (DDR3)	1GB
Power consumption	36 W to 59 W
Ports	<ul style="list-style-type: none"> 24 x 10/100/1000BASE-T copper ports 20 x 1000BASE-X-SFP fiber ports 4 x 10GBASE-R-SFP+ fiber ports
Connector type	<ul style="list-style-type: none"> RJ-45. LC.
Port speed	<ul style="list-style-type: none"> 10/100/1000BASE-T copper port: 10/100/1000 Mbps 1000BASE-X-SFP fiber port: 1000 Mbps 10GBASE-R-SFP+ fiber port: 10 Gbps
Transmission medium and max transmission distance	<ul style="list-style-type: none"> 10/100/1000BASE-T copper port: 100 m (328.08 ft) over Category 5 or higher twisted pair cables 1000BASE-X-SFP fiber port: see Table 3 10GBASE-R-SFP+ fiber port: see Table 3, Table 4 and Table 5
Applicable hardware platforms	<ul style="list-style-type: none"> All S7500E models All S7500X models
Applicable host software versions	Release 7150 and Later

The 10/100/1000BASE-T copper port uses an RJ-45 connector.

Figure 1 RJ-45 connector

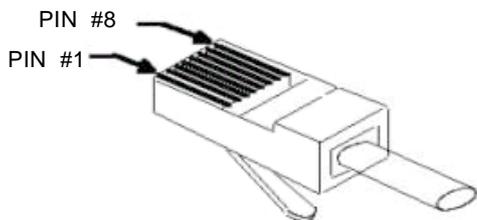


Table 2 RJ-45 GE connector pinout

Pin	10BASE-T/100BASE-TX/1000BASE-T	
	Signal	Function
1	MX_0+	Transmits and receives data.
2	MX_0-	Transmits and receives data.
3	MX_1+	Transmits and receives data.
4	MX_2+	Transmits and receives data.
5	MX_2-	Transmits and receives data.
6	MX_1-	Transmits and receives data.
7	MX_3+	Transmits and receives data.
8	MX_3-	Transmits and receives data.

Table 3 describes the SFP transceiver modules available for the card.

Table 3 SFP transceiver module specifications

Module	Central wavelength	Connector type	Cable specifications	Maximum transmission distance
SFP-GE-SX-M M850-A	850 nm	LC	50/125 µm multi-mode optical fiber	550 m (0.34 miles)
	850 nm	LC	62.5/125 µm multi-mode optical fiber	275 m (0.17 miles)
SFP-GE-SX-M M850-D	850 nm	LC	50/125 µm multi-mode optical fiber	550 m (0.34 miles)
	850 nm	LC	62.5/125 µm multi-mode optical fiber	275 m (0.17 miles)
SFP-GE-LX-SM 1310-A	1310 nm	LC	9/125 µm single-mode optical fiber	10 km (6.21 miles)
	1310 nm	LC	50/125 µm multi-mode optical fiber	550 m (1804.46 ft)
	1310 nm	LC	62.5/125 µm multi-mode optical fiber	550 m (1804.46 ft)

Module	Central wavelength	Connector type	Cable specifications	Maximum transmission distance
SFP-GE-LX-SM 1310-D	1310 nm	LC	9/125 μ m single-mode optical fiber	10 km (6.21 miles)
	1310 nm	LC	50/125 μ m multi-mode optical fiber	550 m (1804.46 ft)
	1310 nm	LC	62.5/125 μ m multi-mode optical fiber	550 m (1804.46 ft)
SFP-GE-LH40-SM1310	1310 nm	LC	9/125 μ m single-mode optical fiber	40 km (24.86 miles)
SFP-GE-LH40-SM1310-BIDI	RX: 1550 nm TX: 1310 nm	LC	9/125 μ m single-mode optical fiber	40 km (24.86 miles)
SFP-GE-LH40-SM1310-D	1310nm	LC	9/125 μ m single-mode optical fiber	40 km (24.86 miles)
SFP-GE-LH40-SM1550	1550 nm	LC	9/125 μ m single-mode optical fiber	40 km (24.86 miles)
SFP-GE-LH40-SM1550-BIDI	RX: 1310 nm TX: 1550 nm	LC	9/125 μ m single-mode optical fiber	40 km (24.86 miles)
SFP-GE-LH80-SM1550	1550 nm	LC	9/125 μ m single-mode optical fiber	80 km (49.71 miles)
SFP-GE-LH80-SM1550-D	1550 nm	LC	9/125 μ m single-mode optical fiber	80 km (49.71 miles)
SFP-GE-LH100-SM1550	1550 nm	LC	9/125 μ m single-mode optical fiber	100 km (62.14 miles)
SFP-GE-LX-SM 1310-BIDI	RX: 1490 nm TX: 1310 nm	LC	9/125 μ m single-mode optical fiber	10 km (6.21 miles)
SFP-GE-LX-SM 1490-BIDI	RX: 1310 nm TX: 1490 nm	LC	9/125 μ m single-mode optical fiber	10 km (6.21 miles)
SFP-GE-T	N/A	RJ-45	Category-5 twisted pair cable	100 m (0.06 miles)
SFP-GE-T-D	N/A	RJ-45	Category-5 twisted pair cable	100 m (0.06 miles)
SFP-FE-SX-M M1310-A	1310 nm	LC	50/125 μ m multi-mode optical fiber	2 km (1.24 miles)
			62.5/125 μ m multi-mode optical fiber	275 m (0.17 miles)
SFP-FE-LX-SM 1310-A	1310 nm	LC	9/125 μ m single-mode optical fiber	15 km (9.32 miles)
SFP-FE-LX-SM 1310-D	1310 nm	LC	9/125 μ m single-mode optical fiber	15 km (9.32 miles)

NOTE:

- BIDI modules use different central wavelengths in transmit and receive directions, in order to implement bidirectional transmission of optical signals over the same fiber.
- BIDI modules must be used in pairs. For example, if an SFP-GE-LX-SM1310-BIDI is used at one end, an SFP-GE-LX-SM1490-BIDI must be used at the other end.
- The 10GBASE-R-SFP+ port does not support the following SFP transceiver modules: SFP-GE-T, SFP-GE-T-D, SFP-FE-SX-MM1310-A, SFP-FE-LX-SM1310-A, and SFP-FE-LX-SM1310-D.

Table 4 describes the SFP+ transceiver modules available for the SFP+ ports on the card.

Table 4 SFP+ transceiver module specifications

Module	Central wavelength	Connector type	Cable specifications	Maximum transmission distance
SFP-XG-SX-MM850-A	850 nm	LC	50/125 μm multi-mode optical fiber	300 m (984.25 ft)
	850 nm	LC	62.5/125 μm multi-mode optical fiber	33 m (108.27 ft)
SFP-XG-SX-MM850-D	850 nm	LC	50/125 μm multi-mode optical fiber	300 m (984.25 ft)
	850 nm	LC	62.5/125 μm multi-mode optical fiber	33 m (108.27 ft)
SFP-XG-SX-MM850-E	850 nm	LC	50/125 μm multi-mode optical fiber	300 m (984.25 ft)
	850 nm	LC	62.5/125 μm multi-mode optical fiber	33 m (108.27 ft)
SFP-XG-SX-MM850-F1	850 nm	LC	50/125 μm multi-mode optical fiber	300 m (984.25 ft)
	850 nm	LC	62.5/125 μm multi-mode optical fiber	33 m (108.27 ft)
SFP-XG-LX-SM1310	1310 nm	LC	9/125 μm single-mode optical fiber	10 km (6.21 miles)
SFP-XG-LX-SM1310-D	1310 nm	LC	9/125 μm single-mode optical fiber	10 km (6.21 miles)
SFP-XG-LX-SM1310-E	1310 nm	LC	9/125 μm single-mode optical fiber	10 km (6.21 miles)
SFP-XG-LH40-SM1550	1550nm	LC	9/125 μm single-mode optical fiber	40 km (24.86 miles)
SFP-XG-LH40-SM1550-D	1550nm	LC	9/125 μm single-mode optical fiber	40 km (24.86 miles)
SFP-XG-LH80-SM1550	1550nm	LC	9/125 μm single-mode optical fiber	80 km (49.71 miles)
SFP-XG-LH80-SM1550-D	1550nm	LC	9/125 μm single-mode optical fiber	80 km (49.71 miles)

Table 5 describes the SFP+ DAC cables available for the SFP+ ports on the card.

Table 5 SFP+ DAC cable specifications

SFP+ DAC cable	Cable length	Data rate	Cable type	Remark
LSWM1STK	0.65 m (2.13 ft)	10.31 Gbps	SFP+ cable	Use for connecting SFP+ ports
LSWM2STK	1.2 m (3.94 ft)			
LSWM3STK	3 m (9.84 ft)			

3 Related documentation

For module installation, see *H3C S7500E Switch Series Installation Guide* and *H3C S7500X Switch Series Installation Guide*.

For software upgrade, see the release notes for the device.

Copyright © 2014-2018 New H3C Technologies Co., Ltd.

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