



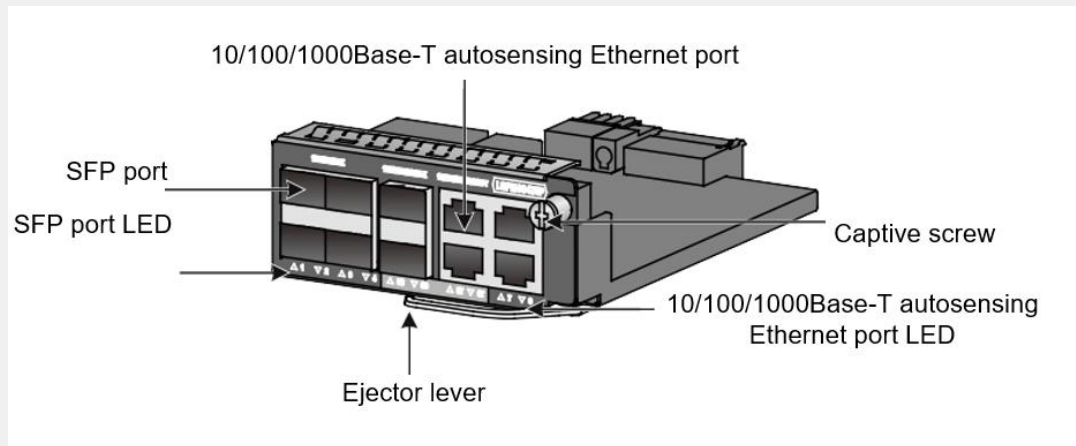
Intelbras

LSPM4G4T6P

**Interface Card User
Manual**

Overview

The LSPM4G4T6P interface card provides four 10/100/1000Base-T autosensing Ethernet ports and six SFP ports. 10/100/1000Base-T autosensing Ethernet ports 5T and 6T form a combo interface with SFP ports 5S and 6S, respectively.



The switch models that the LSPM4G4T6P interface card is applicable to might change over time. For the most up-to-date list of applicable switch models, contact Intelbras Support or marketing staff.

The restrictions for using the LSPM4G4T6P vary by device model. For more information, see the installation guide or hardware information and specifications for the device.

Installing and removing the card

Prepare the following tools before you install or remove the card: Phillips screwdriver, flat-blade screwdriver, and ESD wrist strap.

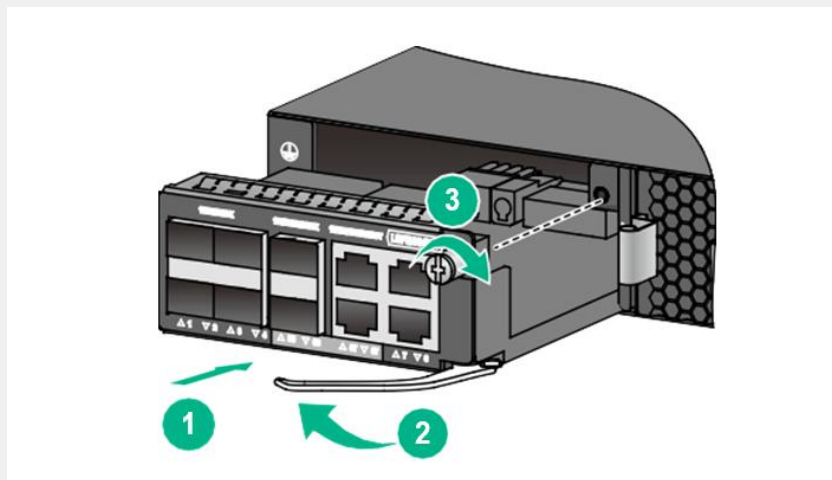
No installation tools are provided with the device. Prepare these tools yourself.

1 - Safety precautions

Before you install or remove the card, wear an ESD wrist strap and make sure the strap makes good skin contact and is reliably grounded.

To avoid device damage, do not use excessive force when you install or remove the card.

2 - Installing the card



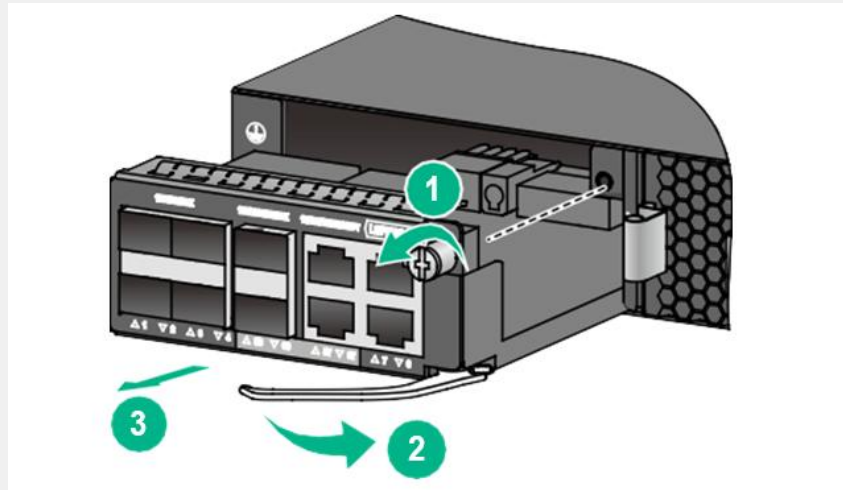
Remove the filler panel (if any) from the target slot before installing the card. Keep the removed screw and filler panel secure for future use.

- (1) Unpack the card. Insert the card slowly into the slot along the guide rails.
- (2) Rotate inward the ejector lever until the card is in close contact with the switch.
- (3) Use a Phillips screwdriver to fasten the captive screw on the card.

3 - Removing the card

To avoid cable damage, remove the cables from the card before removing the card.

If you are not to install a new card after removing the original one, install a filler panel in the slot to prevent dust and ensure good ventilation in the device.



Place the removed card on an anti-static mat or in an anti-static bag.

- (1) Use a Phillips screwdriver to loosen the captive screw on the card.
- (2) Hold the ejector lever to pull the card outward until the card is disconnected from the connectors.
- (3) Hold the card with both hands and take it out slowly.

Verifying the installation

After the installation is complete, determine whether the card is operating correctly. If the card fails to operate correctly, perform the following steps:

Reinstall the card following the installation procedures described in this document.

If the problem persists, contact Intelbras Support.

Ports

Model	Central wavelength	Connector	Cable specifications	Modal bandwidth (MHz*km)	Max transmission distance
GE SFP transceiver modules					
SFP-GE-SX-MM850-A	850 nm	LC	50/125 µm, MFF	500	550 m (1804.46 ft)
				400	500 m (1640.42 ft)
			62.5/125 µm, MFF	200	275 m (902.23 ft)
				160	220 m (721.78 ft)
SFP-GE-SX-MM850-D	850 nm	LC	50/125µm MFF	500	550 m (1804.46 ft)
				400	500 m (1640.42 ft)
			62.5/125µm MFF	200	275 m (902.23 ft)
				160	220 m (721.78 ft)
SFP-GE-LX-SM1310-A	1310 nm	LC	9/125 µm, SMF	N/A	10 km (6.21 miles)
			50/125 µm, MFF	500/400	550 m (1804.46 ft)
			62.5/125 µm, MFF	500	550 m (1804.46 ft)
SFP-GE-LX-SM1310-D	1310 nm	LC	9/125µm SMF	N/A	10 km (6.21 miles)
SFP-GE-LH 40-SM1310	1310 nm	LC	9/125 µm, SMF	N/A	40 km (24.86 miles)
SFP-GE-LH 40-SM1310-D	1310 nm	LC	9/125µm SMF	N/A	40 km (24.86 miles)
SFP-GE-LH 40-SM1550	1550 nm	LC	9/125 µm, SMF	N/A	40 km (24.86 miles)
SFP-GE-LH 80-SM1550	1550 nm	LC	9/125 µm, SMF	N/A	80 km (49.71 miles)
SFP-GE-LH 80-SM1550-D	1550 nm	LC	9/125µm SMF	N/A	80 km (49.71 miles)
SFP-GE-LH 100-SM1550	1550 nm	LC	9/125 µm, SMF	N/A	100 km (62.14 miles)
SFP-GE-LX-SM1310-BIDI	TX: 1310 nm RX: 1490 nm	LC	9/125 µm, SMF	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1490-BIDI	TX: 1490 nm RX: 1310 nm	LC	9/125 µm, SMF	N/A	10 km (6.21 miles)
SFP-GE-T	N/A	RJ-45	Twisted pair	N/A	100 m (328.08 ft)
SFP-GE-T-D	-	RJ-45	Twisted pair	N/A	100 m (328.08 ft)
FE SFP transceiver modules					

Model	Central wavelength	Connector	Cable specifications	Modal bandwidth (MHz*km)	Max transmission distance
SFP-FE-SX- MM1310-A	1310 nm	LC	50/125µm MFF	N/A	2 km (1.24 miles)
			62.5/125µm MFF		
SFP-FE-LX- SM1310-A	1310 nm	LC	9/125µm SMF	N/A	15 km (9.32 miles)
SFP-FE-LX- SM1310-D	1310 nm	LC	9/125µm SMF	N/A	15 km (9.32 miles)
SFP-FE-LH 40-SM1310	1310 nm	LC	9/125µm SMF	N/A	40 km (24.86 miles)
SFP-FE-LH 80-SM1550	1550 nm	LC	9/125µm SMF	N/A	80 km (49.71 miles)
SFP-FE-LX- SM1310-BIDI	TX: 1310nm RX: 1550nm	LC	9/125µm SMF	N/A	15 km (9.32 miles)
SFP-FE-LX- SM1550-BIDI	TX: 1550nm RX: 1310nm				

Model	Cable length	Data rate
GE SFP cables		
SFP-STACK-Kit	1.5 m (4.92 ft)	1250 Mbps

Item	Specification
10/100/1000Base-T autosensing Ethernet ports 10/100/1000Base-T	
Connector	RJ-45
Port mode	<ul style="list-style-type: none"> • 10 Mbps, full duplex • 100 Mbps, full duplex • 1000 Mbps, full duplex • MDI/MDI-X autosensing
Maximum transmission distance	100 m (328.08 ft)
Cable	Category 5 or above twisted pair cables
Standard	<ul style="list-style-type: none"> • IEEE 802.3i • IEEE 802.3u • IEEE 802.3ab

LEDs

The LEDs are not controlled by the port LED mode switching button on your switch. For more information about the port LED mode switching button, see the installation guide for the switch.

LED Status	Description
SFP port LED SFP	
Steady green	A transceiver module is installed in the port. The port is operating at 1000 Mbps, and a link is present on the port.
Flashing green	The port is sending or receiving data at 1000 Mbps.
Steady yellow	A transceiver module is installed in the port. The port is operating at 100 Mbps, and a link is present on the port. This LED status is available only for SFP ports 5 and 6.
Flashing yellow	The port is sending or receiving data at 100 Mbps. This LED status is available only for SFP ports 5 and 6.
Off	No transceiver module is installed in the port, or no link is present on the port.
10/100/1000Base-T autosensing Ethernet port LED 10/100/1000Base-T	
Steady green	The port is operating at 1000 Mbps, and a link is present on the port.
Flashing green	The port is sending or receiving data at 1000 Mbps.
Steady yellow	The port is operating at 10/100 Mbps, and a link is present on the port.
Flashing yellow	The port is sending or receiving data at 10/100 Mbps.
Off	No link is present on the port.

LSPM4G4T6P Box Content: 1x Interface Card

Compatibility: Please check the switch datasheet