



**Intelbras**

**LSWM2MGT8P &**

**LSWM2XMGT8P**

**Interface Cards**

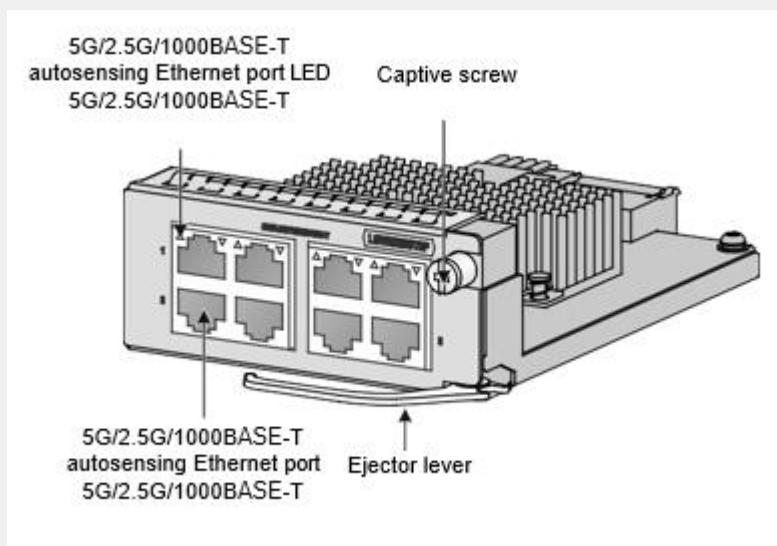
**User Manual**

## Intelbras LSWM2MGT8P & LSWM2XMGT8P Interface Cards User Manual

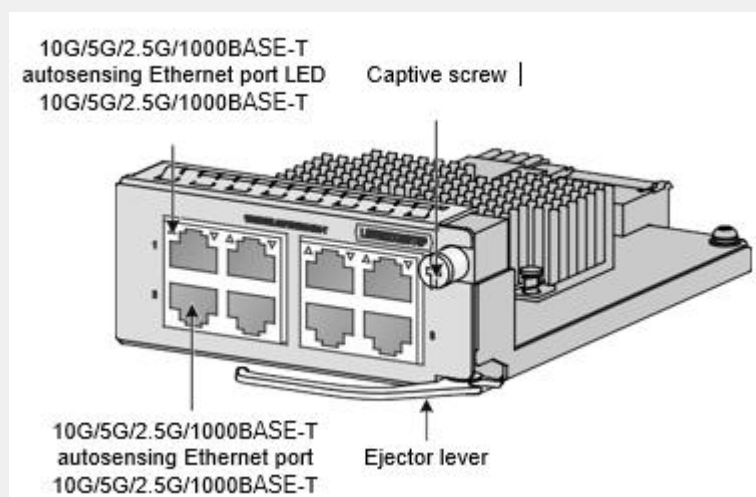
### Overview

The LSWM2MGT8P interface card provides eight 5G/2.5G/1000BASE-T Ethernet ports. The LSWM2XMGT8P interface card provides eight 10G/5G/2.5G/1000BASE-T Ethernet ports.

#### LSWM2MGT8P



#### LSWM2XMGT8P



The switch models that the LSWM2MGT8P and LSWM2XMGT8P interface cards are 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 LSWM2MGT8P and LSWM2XMGT8P 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.

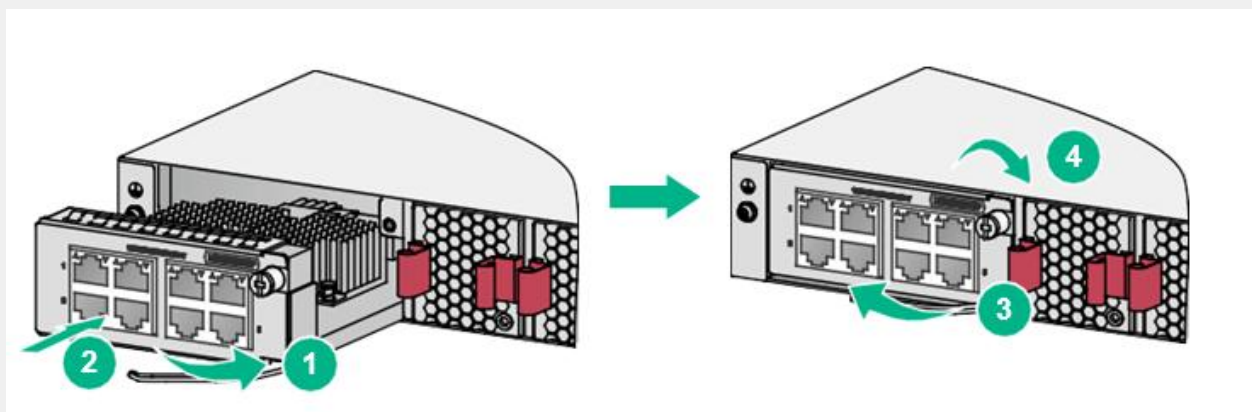
### 1 - Safety precautions

- 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.



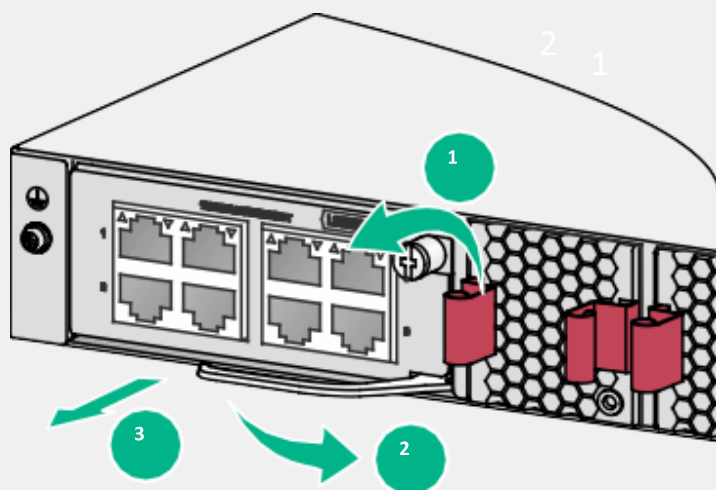
- (1) Unpack the card. Insert the card slowly into the slot along the guide rails.
- (2) Insert the card slowly into the slot along the guide rails
- (3) Rotate inward the ejector lever until the card is in close contact with the switch.
- (4) Use a Phillips screwdriver to tighten the captive screw on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

### LSWM2MGT8P

Item	Specifications
Connector	RJ-45
Transmission rate	<ul style="list-style-type: none"> <li>• 5 Gbps, full duplex. 5Gbps</li> <li>• 2.5 Gbps, full duplex. 2.5Gbps</li> <li>• 1 Gbps, full duplex. 1Gbps</li> <li>• MDI/MDI-X, autosensing. MDI/MDI-X</li> </ul>
Maximum transmission distance	<p>5G mode:</p> <ul style="list-style-type: none"> <li>• Category 5e unshielded twisted pair cable: 55 m (180.45 ft)</li> <li>• Category 5e shielded twisted pair cable: 100 m (328.08 ft)</li> <li>• Category 6 twisted pair cable: 100 m (328.08 ft)</li> <li>• Category 6A twisted pair cable: 100 m (328.08 ft)</li> <li>• Category 5e or higher twisted pair cable: 100 m (328.08 ft)</li> </ul>
Cables	Category 5e or higher twisted pair cables
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3an</li> <li>• IEEE 802.3ab</li> </ul>

## LSWM2XMGT8P

Item	Specifications
Connector	RJ-45
	<ul style="list-style-type: none"> <li>10 Gbps, full duplex. 10Gbps</li> </ul>
Transmission rate	<ul style="list-style-type: none"> <li>5 Gbps, full duplex. 5Gbps</li> <li>2.5 Gbps, full duplex. 2.5Gbps</li> </ul>
	<ul style="list-style-type: none"> <li>1 Gbps, full duplex. 1Gbps</li> </ul>
	<ul style="list-style-type: none"> <li>MDI/MDI-X, autosensing. MDI/MDI-X</li> </ul>
Maximum transmission distance	<p>10G mode :</p> <ul style="list-style-type: none"> <li>Category 6 unshielded twisted pair cable: 55 m (180.45 ft)</li> <li>Category 6 shielded twisted pair cable: 100 m (328.08 ft)</li> <li>Category 6A twisted pair cable : 100 m (328.08 ft)</li> </ul> <p>5G mode :</p> <ul style="list-style-type: none"> <li>Category 5e unshielded twisted pair cable : 55 m (180.45 ft)</li> <li>Category 5e shielded twisted pair cable : 100 m (328.08 ft)</li> <li>Category 6 twisted pair cable : 100 m (328.08 ft)</li> <li>Category 6A twisted pair cable: 100 m (328.08 ft) 2.5G mode : Category 5e or higher twisted pair cable : 100 m (328.08 ft)</li> </ul>
Cables	Category 5e or higher twisted pair cables
Standards	<ul style="list-style-type: none"> <li>IEEE 802.3an</li> <li>IEEE 802.3ab</li> </ul>

- You can install GE SFP transceiver modules, GE SFP cables, 10-GESFP+ transceiver modules, and 10-GE SFP+ cables in the SFP+ ports.
- The SFP+ ports can be equipped with Gigabit SFP modules, Gigabit SFP cables, 10-GE SFP+ modules, and 10-GESFP+ cables.
- The SFP-GE-LX-SM1310-BIDI and SFP-GE-LX-SM1490-BIDI transceiver modules must be used in pairs. The SFP-GE-LX-SM1310-BIDI and SFP-GE-LX-SM1490-BIDI modules must be used in pairs.

## LEDs

The port LEDs are not affected 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.

## LSWM2MGT8P

LED Status	Description
Steady green	The port is operating at 5 Gbps, and a link is present on the port.
Flashing green	The port is sending or receiving data at 5 Gbps.
Steady yellow	The port is operating at 1Gbps or 2.5 Gbps, and a link is present on the port.
Flashing yellow	The port is sending or receiving data at 1Gbps or 2.5 Gbps.
Off	No link is present on the port.

## LSWM2XMGT8P

LED Status	Description
Steady green	The port is operating at 10 Gbps, and a link is present on the port.
Flashing green	The port is sending or receiving data at 10 Gbps.
Steady yellow	The port is operating at 1Gbps, 2.5Gbps or 5 Gbps, and a link is present on the port.
Flashing yellow	The port is sending or receiving data at 1Gbps, 2.5Gbps or 5 Gbps.
Off	No link is present on the port.

LSWM2MGT8P Box Content: 1 x Interface Card eight 5G/2.5G/1000BASE-T Ethernet ports

LSWM2XMGT8P Box Content: 1 x Interface Card eight 10G/5G/2.5G/1000BASE-T Ethernet ports.

Compatibility: Please check the switch datasheet