

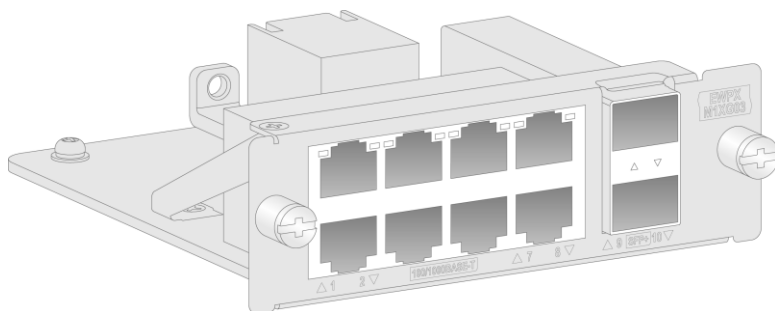
INTELBRAS EWPXM1XG03I

Ethernet Interface Expansion Module

Introduction

The INTELBRAS EWPXM1XG03I Ethernet interface expansion module provides expansion ports for the WC 5000 series access controllers.

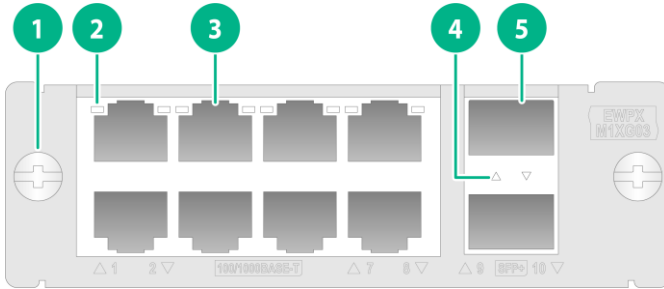
Figure 1 EWPXM1XG03I Ethernet interface expansion module



Ports

The module provides eight 100/1000BASE-T Ethernet copper ports and two 10-GE SFP+ fiber ports.

Figure 2 Front panel



(1) Captive screw	(2) Ethernet copper port LED
(3) 100/1000BASE-T Ethernet copper port	(4) SFP+ fiber port LED
(5) SFP+ fiber port	

Ethernet copper ports

Table 1 100/1000BASE-T Ethernet copper port specifications

Item	Specification
Connector	RJ-45
Port mode	<ul style="list-style-type: none">100/1000BASE-T autosensingMDI/MDI-X autosensing
Max transmission distance	100 m (328.08 ft)
Cable	Category 5 or above twisted pair cables
Standard	IEEE 802.3ab

SFP+ fiber ports

The transceiver modules that have **MM** and **SM** in their names support multi-mode optical fibers and single-mode optical fibers, respectively.

The SFP and SFP+ transceiver modules supported by the module are subject to change over time. For the most recent list of SFP and SFP+ transceiver modules available for the module, contact marketing staff or Technical Support.

SFP+ fiber port specifications

Table 2 SFP+ fiber port specifications

Item	Specification
Connector	LC
Port transmission rate	1 Gbps, 10 Gbps

LEDs

Table 10 LED description

LED	Status	Description
100/1000B ASE-T Ethernet copper port LED	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 100 Mbps, and a link is present on the port.
	Flashing yellow	The port is sending or receiving data at 100 Mbps.
	Off	No link is present on the port.

SFP+ fiber port LED	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 1 Gbps, and a link

LED	Status	Description
		is present on the port.
	Flashing yellow	The port is sending or receiving data at 1 Gbps.
	Off	No transceiver module is installed or no link is present on the port.

Installing and removing the module

△ CAUTION:

- Do not use excessive force or touch the surface-mounted components directly with hands when you install or remove the module.
- To avoid system anomalies, do not hot swap the module.

Before installing or removing the module, prepare the ESD wrist strap and other tools that might be used.

Installing the module

ⓘ IMPORTANT:

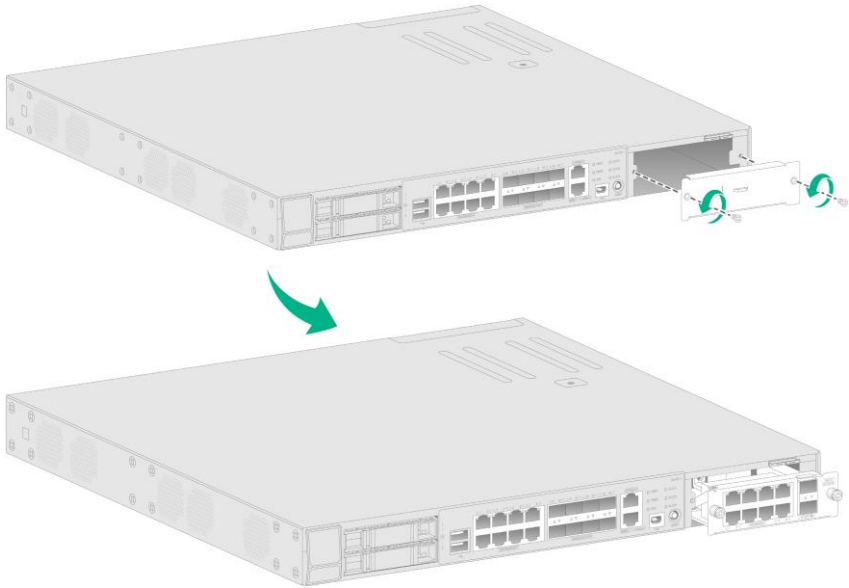
- Keep the removed filler panel secure for future use.
- Do not hot swap the module. Before you install or remove the module, make sure the device is powered off.

To install an EWPXM1XG03II:

1. Wear an ESD wrist strap and make sure the strap makes good skin contact and is reliably grounded.
2. Unpack the module.

3. Loosen the screws on the filler panel, and then remove the filler panel.
4. Insert the module into the target slot, and then fasten the captive screws.

Figure 3 Installing an EWPXM1XG03I



Removing the module

If you are not to install a new module after removing the original one, install a filler panel in the slot.

To remove an EWPXM1XG03I:

1. Wear an ESD wrist strap and make sure the strap makes good skin contact and is reliably grounded.
2. Loosen the captive screws on the module.

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3. Pull the module slowly out of the slot.