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Antaira Technologies

LMP-2602G-SFP Series

26-Port Industrial PoE+ Gigabit Managed Ethernet Switch, with 24*10/100/1000Tx (30W/Port) and 2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots)

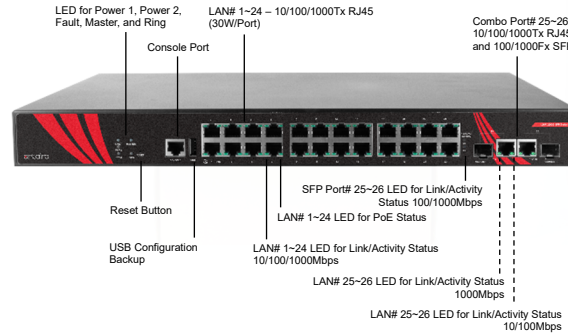# Quick Installation Guide
Version 1.0
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Package Check List

The package contains the following items:
- 1 – Quick Installation Guide
- 1 – LMP-2602G-SFP(-T)
- 1 – Rack Mounting Brackets and Screws
- 1 – RJ45 to DB9 Serial Console Cable
- 1 – Dust Cover Set

Front Panel Layout

LED for Power 1, Power 2, Fault, Master, and Ring
Console Port
LAN# 1~24 – 10/100/1000Tx RJ45 (30W/Port)
Combo Port# 25~26 – 10/100/1000Tx RJ45 and 100/1000Fx SFP
Reset Button
SFP Port# 25~26 LED for Link/Activity Status 100/1000Mbps
LAN# 1~24 LED for PoE Status
USB Configuration Backup
LAN# 1~24 LED for Link/Activity Status 10/100/1000Mbps
LAN# 25~26 LED for Link/Activity Status 1000Mbps
LAN# 25~26 LED for Link/Activity Status 10/100Mbps

Back Panel View

LMP-2602G-SFP series back panel is equipped with one 8-pin redundant power inputs (48~55VDC) and one 2-pin removal terminal block for relay output.

24VDC @1A Relay Output
Grounding Screw
Power Input 1 and 2 Connectors

Product Overview

System Interface/Performance
- All RJ45 ports support the auto MDI/MDI-X function
- Embedded 24*10/100/1000Tx RJ45 ports (30W/Port) and 2*Gigabit combo ports (2*10/100/1000Tx and 2*100/1000 SFP slots)
- Store-and-forward switching architecture
- 8K MAC address table

Power Input & Connection
- DC 48 to 55V through 8-pin redundant power inputs
- It is recommended to use a UL listed industrial power supply

Operating Temperature
- Standard operating temperature model: -10°C to 65°C
- Extended operating temperature model: -40°C to 75°C

Case/Installation
- IP40 Protection
- 1U Rackmount Design

LED Indicators

LED	Color		Description
Power 1	Green	On	Power input 1 is active
		Off	Power input 1 is inactive
Power 2	Green	On	Power input 2 is active
		Off	Power input 2 is inactive
Fault	Green	On	No event happened
	Red	On	1. System booting 2. Configured event happens
		Flashing	Firmware upgrading
Master	Green	On	ERPS Owner Mode (Ring Master) is ready
		Off	ERPS Owner Mode is not active
Ring	Green	On	ERPS Ring Network is active
		Flashing	ERPS Ring works abnormally or misconfigure
		Off	ERPS Ring Network is not active
LAN (Port 1~24)	Green	On	Connected to network, 10/100/1000Mbps
		Flashing	Networking is active
		Off	Not connected to network
LAN (Port 1~24)	Green	On	Supplying power to the powered-device
		Off	Not connected to a powered-device
Combo Port LAN (Port 25~26)	Green	On	Connected to network, 1000Mbps
		Flashing	Networking is active
		Off	Not connected to network
Combo Port LAN (Port 25~26)	Green	On	Connected to network, 10/100Mbps
		Flashing	Networking is active
		Off	Not connected to network
Combo Port SFP LNK/ACT (Port 25-26)	Green	On	Connected to network, 1000Mbps
		Flashing	Networking is active
		Off	Not connected to network
	Amber	On	Connected to network, 100Mbps
		Flashing	Networking is active
		Off	Not connected to network

Quick Installation

Ethernet RJ45 Port (Auto MDI/MDIX)

RJ45 port is auto-sensing for 10Base-T, 100Base-TX or 1000Base-TX device connections. Please follow the wiring pin assignment table below for the Ethernet port installation.

RJ45 Ethernet Port Pin Outs				
Pins	T568A Color	T568B Color	10/100 Base-T(X)	1000 Base-T
1	White/Green	White/Orang	Rx+	TP0+
2	Green	Orange	Rx-	TP0-
3	White/Orang	White/Green	Tx+	TP1+
4	Blue	Blue	unused	TP2+
5	White/Blue	White/Blue	unused	TP2-
6	Orange	Green	Tx-	TP1-
7	White/Brown	White/Brown	unused	TP3+
8	Brown	Brown	unused	TP3-
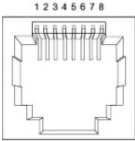
SFP Slots

The Small Form-Factor Pluggable (SFP) is a compact optical transceiver used in optical communications.

Please follow the steps below for connecting the SFP and LC cable:

1. Insert the SFP transceiver module into the SFP slot as shown below in *Figure 1 (*Please be noted that the triangle mark is at the bottom of the SFP slot). *Figure 2* shows the SFP transceiver module was inserted.

Figure 1   Figure 2
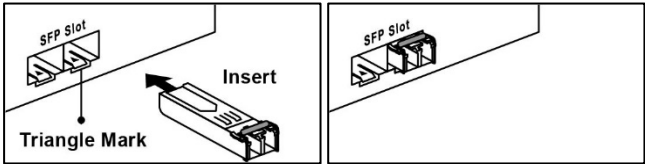
2. Insert the fiber cable of the LC connector into the transceiver as shown below in *Figure 3*.
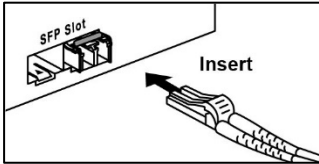
Figure 3

Power Inputs Wiring

Please follow the below steps to insert the power wire:

1. Insert the positive and negative wires into the **PWR1 (V1+, V1-)** and **PWR2 (V2+, V2-)** contacts on the terminal block connector. *See Figure 4.*
2. Tighten the wire-clamp screws to prevent the wires from loosening.


Figure 4

Industrial Switch Mounting

The switch comes with a rack-mounted kit can be mounted in an EIA standard size, 19-inch rack. It can be placed in a wiring closet with other equipment.

Perform the following steps to rack-mount the switch.

1. Position one plate to align with the holes on one side of the hub and secure it with the smaller plate screws. Then, attach the remaining plate to the other side of the switch.

2. After attaching both mounting plates, position the switch in the rack by lining up the holes in the plates with the appropriate holes on the rack. Secure the switch to the rack with a screwdriver and the rack-mounting screws.
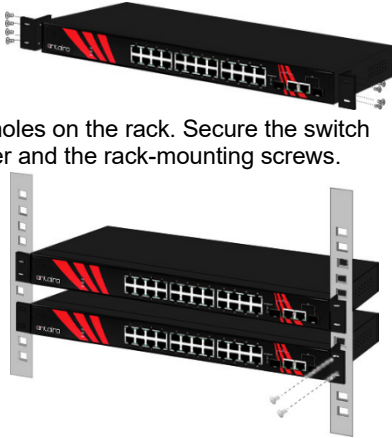
*Note:** For proper ventilation, allow at least 4 inches (10 cm) of clearance on the front and 3.4 inches (8 cm) on the back of the switch. This is especially important for enclosed rack installation.

Field Maintenance and Service

- If the device requires servicing of any kind, the user is required to disconnect and remove it from its mounting. The initial installation should be done in a way that makes this as convenient as possible.
- Voltage/Power lines should be properly insulated as well as other cables. Be careful when handling them so as to not trip over it.
- Do not under any circumstance insert foreign objects of any kind into the heat dissipation holes located in the different faces of the device. This may not only harm the internal layout, but might cause harm to user as well.
- Do not under any circumstance open the device for any reason. Please contact your dealer for any repair needed or follow the instructions within the manual.

Warranty Policy

Antaira's Customer Service and Support

- Antaira's Technical Service & Support Centers:
  + 844-268-2472   (Antaira US Headquarter)
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  www.antaira.eu / info@antaira.eu
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*Any changes will be announced on the Antaira website.