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# Antaira Technologies

## LMX-0804G-SFP Series
8-Port Industrial Gigabit Managed Ethernet Switch,
w/4*10/100/1000Tx Ports + 4*100/1000 SFP Slots

## Quick Installation Guide
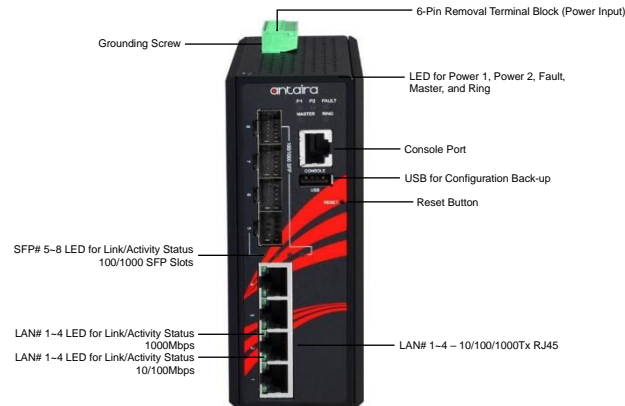**Version 1.1**
**(November 2020)**

Tel: 1-844-268-2472
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## Package Check List

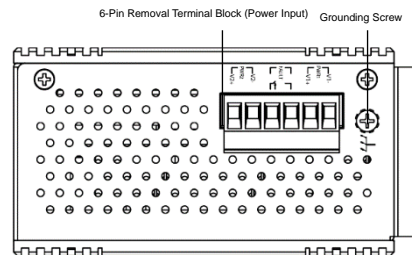The package contains the following items:
- 1 – Quick installation guide
- 1 – LMX-0804G-SFP(-T)
- 1 – Wall mounting bracket set with screws
- 1 – DC cable –18 AWG & DC jack 5.5 x 2.1mm
- 1 – Dust cover set
- 1 – RJ45 to DB9 Serial Console cable

## Front Panel Layout



- 6-Pin Removal Terminal Block (Power Input)
- Grounding Screw
- LED for Power 1, Power 2, Fault, Master, and Ring
- Console Port
- USB for Configuration Back-up
- Reset Button
- SFP# 5~8 LED for Link/Activity Status 100/1000 SFP Slots
- LAN# 1~4 LED for Link/Activity Status 1000Mbps
- LAN# 1~4 LED for Link/Activity Status 10/100Mbps
- LAN# 1~4 – 10/100/1000Tx RJ45

## Top Panel View
LMX-0804G-SFP series top panel is equipped with one 6-pin removal terminal block connector for dual DC power inputs (12~48VDC).



6-Pin Removal Terminal Block (Power Input)   Grounding Screw

## Product Overview

### System Interface/Performance
- All RJ45 ports support the auto MDI/MDI-X function
- Ethernet connectivity 4*10/100/1000Tx RJ45 ports and 4*100/1000 SFP Slots
- Store-and-forward switching architecture
- 8K MAC address table
- Power line EFT protection: 2,000VDC; Ethernet ESD Protection: 6,000VDC

### Power Input & Connection
- DC 12 to 48V redundant power, with a 6-pin removal terminal block
- It is recommended to use a UL listed industrial power supply

### Operating Temperature
- Standard operating temperature model: -10°C to 70°C
- Extended operating temperature model: -40°C to 75°C

### Case/Installation
- IP30 protection
- DIN-Rail and wall mount design

## LED Indicators

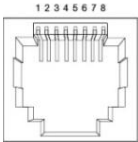| LED | Color | | Description |
|---|---|---|---|
| Power 1 | Green | On | Power input 1 is active |
| | | Off | Power input 1 is inactive |
| Power 2 | Green | On | Power input 2 is active |
| | | Off | Power input 2 is inactive |
| Fault | Green/Red | Green | Preconfigured alarms are not detecting failure |
| | | Red | Preconfigured alarms are detecting failure |
| | | Off | Switch is in the process of booting |
| Master | Green | On | ERPS Owner Mode (Ring Master) is ready |
| | | Off | ERPS Owner Mode is not active |
| Ring | Green | On | Ring Network is active |
| | | Flashing | Ring Network works abnormally or misconfigure |
| | | Off | Ring Network is not active |
| LAN Port 1~4 (Upper LED) | Green | On | Connected to network, 1000Mbps |
| | | Flashing | Networking is active |
| | | Off | Not connected to network |
| LAN Port 1~4 (Lower LED) | Green | On | Connected to network, 10/100Mbps |
| | | Flashing | Networking is active |
| | | Off | Not connected to network |
| Fiber Port 5~8 SFP LNK/ACT | 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 Ports

### RJ45 Ports (Auto MDI/MDIX)
All RJ45 ports are auto-sensing for 10Base-T, 100Base-TX or 1000Base-T device connections. Please follow the wiring pin assignment table below for Ethernet port installation.

| RJ45 Ethernet Port Pin Outs | | | | |
|------|-----------|-----------|---------------------------|------------------|
| Pins | T568A Color | T568B Color | 10Base-T, 100Base-TX | 1000 Base-T(X) |
| Pin 1 | white/green stripe | white/orange stripe | Rx+ | TP0+ |
| Pin 2 | green solid | orange solid | Rx- | TP0- |
| Pin 3 | white/orange stripe | white/green stripe | Tx+ | TP1+ |
| Pin 4 | blue solid | blue solid | unused | TP2+ |
| Pin 5 | white/blue stripe | white/blue stripe | unused | TP2- |
| Pin 6 | orange solid | green solid | Tx- | TP1- |
| Pin 7 | white/brown stripe | white/brown stripe | unused | TP3+ |
| Pin 8 | brown solid | brown solid | unused | TP3- |

## Power Input Wiring
Please follow the steps below 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 as shown below in *Figure 1*.
2. Tighten the wire-clamp screws to prevent the wires from loosening, as shown below in *Figure 2*.
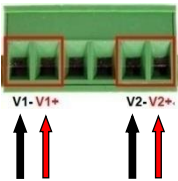
Figure 1      Figure 2

## Industrial Switch Mounting

### DIN-Rail Mounting
The DIN-Rail bracket is pre-installed on the industrial Ethernet switch from the factory. Please refer to *Figure 3* for a DIN-Rail bracket installation reference. Follow the steps below for installing the industrial switch on the DIN-Rail track:
1. Insert the top of the DIN-Rail on to the track as shown below in *Figure 4.*
2. Lightly pull down the bracket on to the rail as shown below in *Figure 5.*
3. Check if the bracket is mounted tightly on the rail.
4. To remove the industrial Ethernet switch from the rail, do the opposite from the steps above.
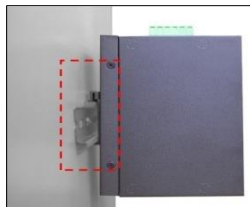
Figure 3

Figure 4      Figure 5

## Wall Mounting
Follow the steps below to mount the industrial Ethernet switch using the wall mounting bracket as shown below in *Figure 6*.

1. Remove the DIN-Rail bracket from the industrial Ethernet switch by loosening the screws.
2. Place the wall mounting brackets on the top and bottom of the industrial Ethernet switch.
3. Use the screws to screw the wall mounting bracket on the industrial Ethernet switch.
4. Use the hook holes at the corners of the wall mounting bracket to hang the industrial Ethernet switch on the wall.
5. To remove the wall mount bracket, do the opposite from the steps above.

Figure 6

## 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.
- 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)
  + 48-22-862-88-81   (Antaira Europe Office)
  + 886-2-2218-9733   (Antaira Asia Office)

- Antaira's Web Sites & Repair/Support Emails:
  www.antaira.com / support@antaira.com
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**\*Any changes will be announced on the Antaira website.**