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Antaira Technologies

LMX-C602G-SFP-V2 Series

6-Port Industrial Compact Light Layer 3 Managed Ethernet Switch, 4*10/100/1000TX and 2*100/1000 SFP Slots

Quick Installation Guide
Version 1.0
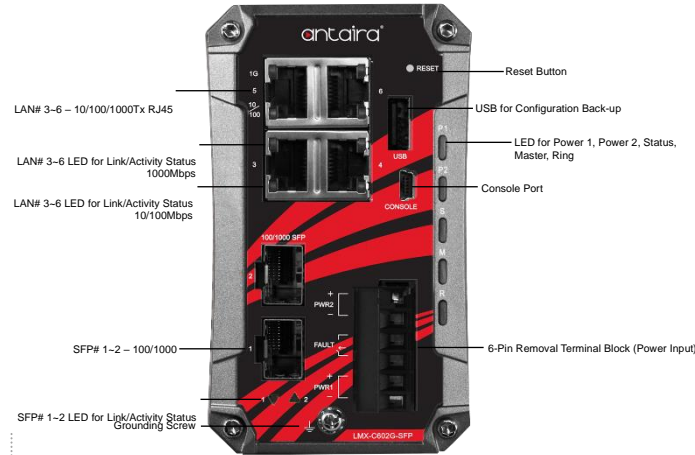**(February 2021)**

Tel: 1-844-268-2472
Fax: 1-714-671-9944
www.antaira.com

Package Checklist

The package contains the following items:
- 1 – Quick installation guide
- 1 – LMX-C602G-SFP(-T)-V2
- 1 – Wall mounting bracket set with screws
- 1 – DC cable –18 AWG & DC jack 5.5 x 2.1mm
- 1 – Dust cover set
- 1 – Mini-USB B type male to DB9 RS-232 female cable

Front Panel Layout

- LAN# 3~6 – 10/100/1000Tx RJ45
- LAN# 3~6 LED for Link/Activity Status 1000Mbps
- LAN# 3~6 LED for Link/Activity Status 10/100Mbps
- SFP# 1~2 – 100/1000
- SFP# 1~2 LED for Link/Activity Status
- Grounding Screw
- Reset Button
- USB for Configuration Back-up
- LED for Power 1, Power 2, Status, Master, Ring
- Console Port
- 6-Pin Removal Terminal Block (Power Input)

Product Overview

System Interface/Performance
- All RJ45 ports support the auto MDI/MDI-X function
- Embedded 4*10/100/1000Tx and 2*100/1000 SFP slots
- Store-and-Forward switching architecture
- 8K MAC address table
- Supports 9.6Kbytes jumbo frame
- 4Mbits memory buffer

Power Input & Connection
- DC 12 to 48V redundant power, with a 6-pin removal terminal block
- Max. current: 0.9A
- Relay contact: 24VDC, 1A resistive
- 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
- DIN-Rail and wall mount design

LED Indicators

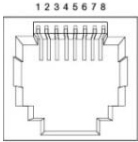| LED	Color	Description	
Power 1	Green	On	Power input 1 is active
		Off	Power input 1 is inactive
Power 2	Green	On	Power input 2 is active
		Off	Power input 2 is inactive
Status	Red	On	System booting
	Green	On	The system is ready. There are no events occurring.
		Flashing	When the user presses the reset button
	Red	On	The system is working normally, but the software set event occurs (ex. Power inactive, Ethernet port link down, etc.)
		Flashing	When the user presses the reset button
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
SFP Port 1~2	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
LAN Port 3~6 LNK/ACT	Green	On	Connected to network, 1000Mbps
		Flashing	Networking is active
		Off	Not connected to network
	Amber	On	Connected to network, 10/100Mbps
		Flashing	Networking is active
		Off	Not connected to network

Quick Installation

Ethernet Ports

RJ45 Ports (Auto MDI/MDI-X)
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.
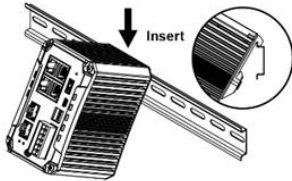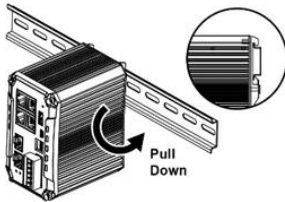

Figure 3

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