

# LNP-0800G-M12-67-24 Series

8-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Ethernet Switch, w/8\*10/100/1000Tx (30W/Port) M12 Connector (X-Coded)



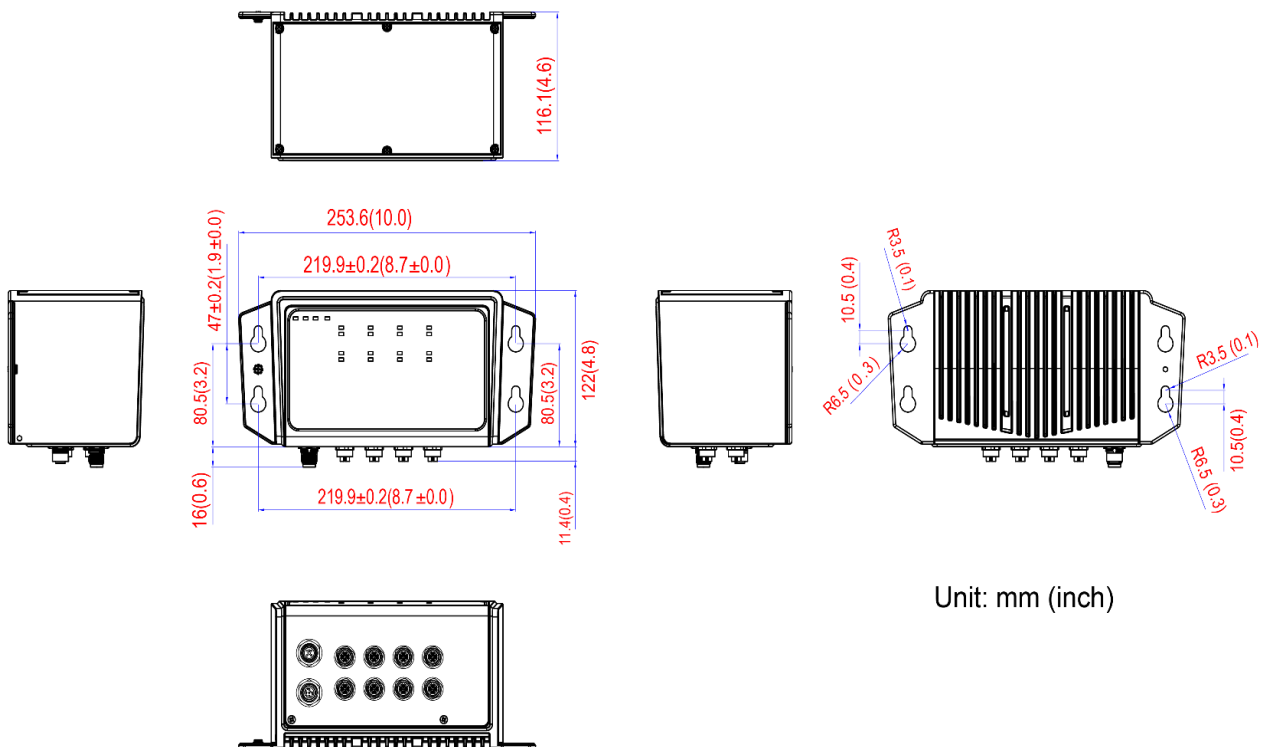
## Features

- ▶ 8-Port 10/100/1000Tx Ethernet with IEEE 802.3at Compliant PoE+
- ▶ Redundant Power Inputs Design, 24~55VDC
- ▶ Built-in Power Booster Design for PoE/PoE+ Output
- ▶ Built-in Relay Output Warning for Power/PoE Failure
- ▶ Bypass Design for Daisy Chain Redundancy
- ▶ Support Digital Input/Digital Output
- ▶ IP67 Rugged Waterproof Metal Case Design
- ▶ M12 X-Coded Connector for Ensure Tight and Robust Connection
- ▶ Operating Temperature Range – STD: -10° to 60°C, EOT: -40° to 70°C
- ▶ Wall Mountable
- ▶ 5-Year Warranty

## INTRODUCTION

**Antaira Technologies' LNP-0800G-M12-67-24 Series** is an 8-port 10/100/1000Tx M12 IP67 PoE+ industrial Ethernet switch that meets the high-reliability requirements demanded by industrial applications. Its M12 connectors ensure a tight and robust connection and it guarantees reliable operation on applications that are subject to high vibration and shock in dust, liquid or gas laden environments. Being able to operate under the standard temperature range from -10°C to 60°C or extended temperature range from -40°C to 70°C, the LNP-0800G-M12-67-24 Series can be installed in almost any harsh environment.

## DIMENSIONS



## SPECIFICATIONS

Technology		Power Requirement	
Standards	IEEE 802.3 10BaseT Ethernet	<b>Input Voltage</b>	24~55VDC, Redundant Power Inputs
	IEEE 802.3u 100BaseTX Fast Ethernet	<b>Power Connection</b>	1*M12, 4-pin T-coded, male connector
	IEEE 802.3ab 1000BaseT	<b>Reverse Polarity Protection</b>	Present
	IEEE 802.3af/at Power over Ethernet	<b>Overload Current Protection</b>	Present
<b>Processing Type</b>	Store and Forward	<b>Power Consumption</b>	8Watts for system
<b>Protocol</b>	CSMA/CD	<b>PoE Power Output</b>	30W max. per PoE port
<b>Flow Control</b>	IEEE 802.3x back pressure flow control	<b>Max. PoE Power Budget</b>	200Watts
Switch Properties		<b>PoE Output Priority</b>	Port 1 to 8 (High priority to low priority)
<b>Switch Architecture</b>	Back-Plane: Non-Blocking Switching Fabric 14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	<b>Relay Contact</b>	24VDC, 1A resistive, M12 5-pin A-coded female connector
<b>Transfer Rate</b>		Environmental Limits	
<b>Memory Buffer</b>	4Mbits	<b>Operating Temperature</b>	STD: -10°C ~ 60°C EOT: -40°C ~ 70°C
<b>Jumbo Frame</b>	12.2Kbytes	<b>Storage Temperature</b>	-40°C ~ 85°C
<b>MAC Table Size</b>	8K	<b>Ambient Relative Humidity</b>	5% to 95%, (non-condensing)
Interface		Regulatory Approvals	
<b>Ethernet Port</b>	8*10/100/1000BaseT(X) with 8*PoE+, 8-pin M12 X-coded female connectors, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN 55032 Class A, EN 61000-6-4 Class A CE EN 55024 Class A EN 61000-6-2 Class A IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field)
<b>DI</b>	1*Digital Input (DI): State 0: -30~8VDC / State 1: 10~30VDC, Max. input current: 8mA	<b>EMS</b>	IEC60068-2-32 IEC60068-2-27
<b>Bypass Protection</b>	Ethernet Port 7 and Port 8	<b>Vibration</b>	IEC60068-2-6
<b>LED Indicators</b>	Power 1, Power 2, Fault, PoE Load Ethernet Ports: On- link / Flash- data transmitting PoE: On- connected to PD devices	<b>Green</b>	RoHS Compliant
Mechanical Characteristics		<b>Certifications</b>	FCC, CE, UL 61010-1, UL 61010-2-201
<b>Housing</b>	Metal, IP67 protection	<b>Warranty</b>	5 Years
<b>Dimensions</b>	253.57 x 122 x 116.12 mm (W x H x D)		
<b>Weight</b>	Unit: 7.05 lbs. Shipping: 8.82 lbs.		
<b>Mounting</b>	Wall mounting		

## ORDERING INFO

<b>LNP-0800G-M12-67-24</b>	8-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Ethernet Switch, w/8*10/100/1000Tx with M12-connector, PoE Injector (30W/Port), 24-55VDC; STD: -10°~60°C
<b>LNP-0800G-M12-67-24-T</b>	8-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Ethernet Switch, w/8*10/100/1000Tx with M12-connector, PoE Injector (30W/Port), 24-55VDC; EOT: -40°~70°C

### Optional Accessories

<b>DR-75-12</b>	75 Watts Series / 12 VDC / 6.3 Amps Industrial Single Output DIN Rail Power Supply
<b>DR-75-24</b>	75 Watts Series / 24 VDC / 3.2 Amps Industrial Single Output DIN Rail Power Supply
<b>DR-120-12</b>	120 Watts Series / 12 VDC / 10.0 Amps Industrial Single Output DIN Rail Power Supply
<b>DR-120-24</b>	120 Watts Series / 24 VDC / 5.0 Amps Industrial Single Output DIN Rail Power Supply
<b>CB-M12T4PF-1M</b>	M12 T-Code 4-Pin Female to Open Wire, 1 Meter, Wire: 16AWG, Power Cable
<b>CB-M12A5PM-1M</b>	M12 A-Code 5-Pin Male to Open Wire, 1 Meter, Wire: 22AWG, I/O Data Cable
<b>CB-M12X8PM-10CM</b>	M12 X-Code 8-Pin Male to RJ45 Socket, 10 CM, Testing Cable

## Assured Systems

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