

# LNP-1002G-10G-SFP-24

10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch – 8\*10/100/1000Tx (PSE: 30W/Port) and 2\*10G SFP+ Slots; 24~55VDC



## Features

- ▶ Supports 8\*10/100/1000Tx Ethernet Ports (PSE: 30W/Port) and 2\*10G SFP+ Fiber Slots
- ▶ IEEE 802.3at PoE+ Compliant (support 802.3af PoE)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 16K MAC Address Table
- ▶ 9,216 bytes Jumbo Frame Support
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 24~55VDC (Built-in Voltage Booster)
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: -40°C to 60°C
- ▶ 5-Year Warranty

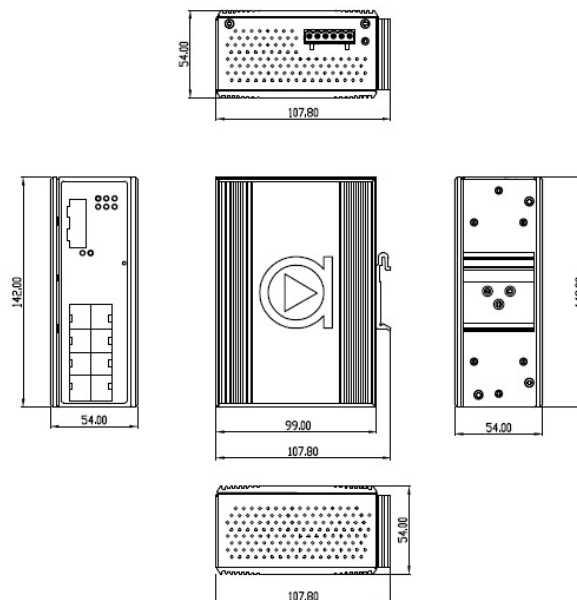
## INTRODUCTION

Antaira’s new compact DIN-Rail industrial gigabit PoE+ unmanaged switch, **LNP-1002G-10G-SFP-24**, features 8\*10/100/1000Tx Ethernet ports that support IEEE 802.3at high-power PoE (PSE: 30W/Port) and two 10G SFP+ slots for long-distance fiber connections. This model is designed with a built-in voltage booster to support redundant power inputs of 24~55VDC and has high EFT and ESD protection. It provides a wide operating temperature range supporting extreme temperature environments of -40° to 60°C.

The LNP-1002G-10G-SFP-24 provides extensive connectivity solutions for the continuously growing demand for bandwidth to support applications under a variety of outdoor or harsh environments, such as security surveillance, traffic monitoring, and campus or sport venue-wide network infrastructure.

## DIMENSIONS

Dimensions (unit = mm)



## SPECIFICATIONS

<b>Technology</b>	
<b>Standards</b>	IEEE 802.3 10BaseTx Ethernet
	IEEE 802.3u 100BaseTx Fast Ethernet
	IEEE 802.3ab 1000BaseTx
	IEEE 802.3ae 10 Gigabit Ethernet
	IEEE 802.3af/at Power Over Ethernet
<b>Processing Type</b>	Store and Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x back pressure flow control
<b>Switch Properties</b>	
<b>Switch Architecture</b>	Back-Plane: Non-Blocking Switching Fabric
<b>Transfer Rate</b>	14,880pps for Ethernet Port
	148,800pps for Fast Ethernet Port
	1,488,000pps for Gigabit Ethernet Port
	14,880,000pps for 10 Gigabit Ethernet Port
<b>Memory Buffer</b>	12 Mbits
<b>Jumbo Frame</b>	9,216 bytes
<b>MAC Table Size</b>	16K
<b>Interface</b>	
<b>Ethernet Port</b>	8*RJ45 Ports w/10/100/1000Tx (PSE: 30W/Port), auto negotiation speed, full/half duplex mode, and auto MDI/MDI-X connection
<b>Fiber Port</b>	2*10G SFP+ slots
<b>PoE Pin out</b>	V+, V+, V-, V- for pins 1,2,3,6 (Endspan, MDI Alternative A)
<b>Network Cable</b>	10Base Tx: 2-pair UTP/STP Cat. 3,4,5
	100Base Tx: 2-pair UTP/STP Cat. 5
	1000Base Tx: 2-pair UTP/STP Cat. 5/5E
<b>Power Requirements</b>	
<b>Input Voltage</b>	24~55VDC, Redundant Input
<b>Overload Current Protection</b>	Present
<b>Connection</b>	1 removable 6-contact terminal block
<b>Reverse Polarity Protection</b>	Yes
<b>PoE Power Output</b>	30 Watts max. per PoE port
<b>Power Consumption</b>	16 Watts for system
<b>PoE Power Budget</b>	180 Watts / 24VDC, 240 Watts / 36-55VDC
<b>Relay Contact</b>	24VDC, 1A resistive

<b>Mechanical Characteristics</b>	
<b>Housing</b>	Metal, IP30 protection
<b>Dimensions</b>	54 x 99 x 142 mm (W*D*H)
<b>Weight</b>	Unit 3.0 lbs.: shipping weight 3.5 lbs.
<b>Mounting</b>	DIN-Rail, wall mounting (optional)
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	-40° to 60°C
<b>Storage Temperature</b>	-40° to 85°C
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Regulatory Approvals</b>	
<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
<b>EMS</b>	IEC61000-4-2,3,4,5,6,8
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Green</b>	RoHS Compliant
<b>Certifications</b>	FCC, CE
<b>Warranty</b>	5 Years

## ORDERING INFO

**LNP-1002G-10G-SFP-24** 10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8\*10/100/1000Tx (PSE: 30W/Port) and 2\*10G SFP+ Slot; 24~55VDC

### Optional Accessories

<b>DR-75-24</b>	75W Industrial Single Output DIN Rail Power Supply – 24 VDC / 3.2 Amps
<b>DR-120-24</b>	120W Industrial Single Output DIN Rail Power Supply – 24 VDC / 5.0 Amps
<b>DR-120-48</b>	120W Industrial Single Output DIN Rail Power Supply – 48 VDC / 2.5 Amps
<b>SDR-240-48</b>	240W Industrial Slim High-Efficiency Single Output DIN Rail Power Supply – 48 VDC / 5.0 Amps
<b>SDR-480-48</b>	480W Industrial Slim High-Efficiency Single Output DIN Rail Power Supply – 48 VDC / 10.0 Amps