

# LNP-1002G-10G-SFP

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



## Features

- ▶ Supports 8\*10/100/1000Tx Ethernet Ports (w/8\*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: 48~55VDC
- ▶ 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

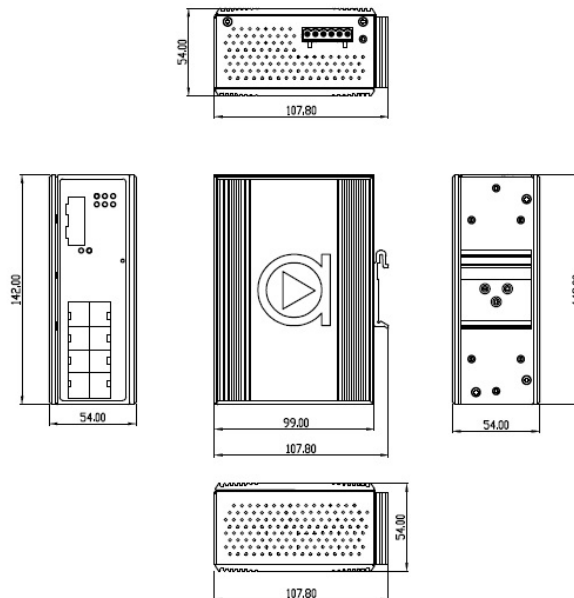
## INTRODUCTION

Antaira Technologies new compact DIN-Rail industrial gigabit PoE+ unmanaged switch, the **LNP-1002G-10G-SFP**, features 8\*10/100/1000Tx Ethernet ports that support IEEE 802.3at high power PoE (30W/Port), and two 10G SFP+ slots for long-distance fiber connections. The device is designed with high EFT and ESD protection and supports extreme operating temperature environments (-40° to 60°C).

The LNP-1002G-10G-SFP 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 802.3z 1000Base-X Gigabit Fiber 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 (Switching Fabric): Non-Blocking
<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 Mbytes
<b>Jumbo Frame</b>	9216 bytes
<b>MAC Table Size</b>	16K
<b>Interface</b>	
<b>Ethernet Port</b>	8*RJ45 Ports w/10/100/1000Tx (PSE: 30W/Port)
<b>Fiber Port</b>	2* 10GbE 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>	48~55VDC, Redundant Input
<b>Overload Current Protection</b>	Present (Slow-Blown Fuse)
<b>Connection</b>	1 removable 6-contact terminal block
<b>Reverse Polarity Protection</b>	Yes
<b>Power Consumption</b>	16 Watts for system
<b>Max. PoE Power Budget</b>	240 Watts
<b>PoE Power Output</b>	30 Watts max per PoE port
<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 3.0lbs.: Shipping Weight 3.5 lbs.
<b>Mounting</b>	DIN-Rail, wall mounting (optional)
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	-40°C to 60°C
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Regulatory Approvals</b>	
<b>EMI</b>	FCC 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** 10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8\*10/100/1000Tx (PSE: 30W/Port) and 2\*10G SFP+ Slots

### Optional Accessories

<b>DR-120-48</b>	120W Industrial DIN Rail Power Supply, 48VDC
<b>SDR-120-48</b>	120W Industrial Single Output DIN Rail Power Supply, 48VDC
<b>SDR-240-48</b>	240W Industrial Single Output DIN Rail Power Supply with PFC Function, 48VDC
<b>SDR-480-48</b>	480W Industrial Single Output DIN Rail Power Supply, 48VDC