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**
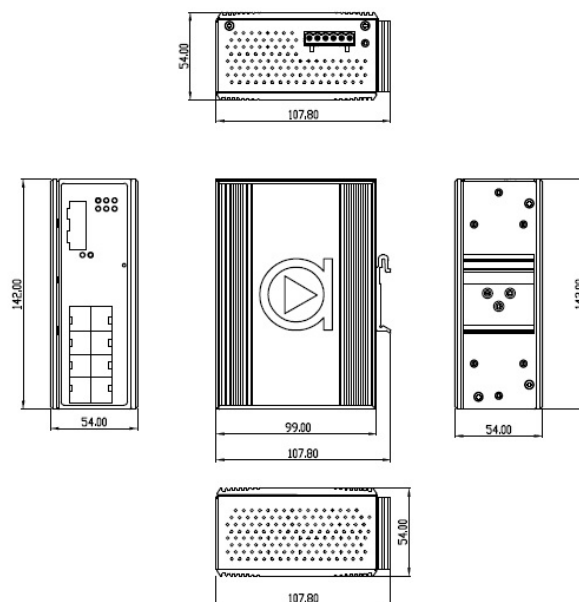▶ **5-Year Warranty**

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

Technology	
Standards	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
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control

Switch Properties	
Switch Architecture	Back-Plane: Non-Blocking Switching Fabric
Transfer Rate	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
Memory Buffer	12 Mbits
Jumbo Frame	9,216 bytes
MAC Table Size	16K

Interface	
Ethernet Port	8*RJ45 Ports w/10/100/1000Tx (PSE: 30W/Port), auto negotiation speed, full/half duplex mode, and auto MDI/MDI-X connection
Fiber Port	2*10G SFP+ slots
PoE Pin out	V+, V+, V-, V- for pins 1,2,3,6 (Endspan, MDI Alternative A)
Network Cable	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

Power Requirements	
Input Voltage	24~55VDC, Redundant Input
Overload Current Protection	Present
Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
PoE Power Output	30 Watts max. per PoE port
Power Consumption	16 Watts for system
PoE Power Budget	180 Watts / 24VDC, 240 Watts / 36-55VDC
Relay Contact	24VDC, 1A resistive

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	54 x 99 x 142 mm (W*D*H)
Weight	Unit 3.0 lbs.: shipping weight 3.5 lbs.
Mounting	DIN-Rail, wall mounting (optional)

Environmental Limits	
Operating Temperature	-40° to 60°C
Storage Temperature	-40° to 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EMS	IEC61000-4-2,3,4,5,6,8
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE
Warranty	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	
DR-75-24	75W Industrial Single Output DIN Rail Power Supply – 24 VDC / 3.2 Amps
DR-120-24	120W Industrial Single Output DIN Rail Power Supply – 24 VDC / 5.0 Amps
DR-120-48	120W Industrial Single Output DIN Rail Power Supply – 48 VDC / 2.5 Amps
SDR-240-48	240W Industrial Slim High-Efficiency Single Output DIN Rail Power Supply – 48 VDC / 5.0 Amps
SDR-480-48	480W Industrial Slim High-Efficiency Single Output DIN Rail Power Supply – 48 VDC / 10.0 Amps