

LNP-1002G-SFP-24 Series

10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots, 12~55VDC Power Input



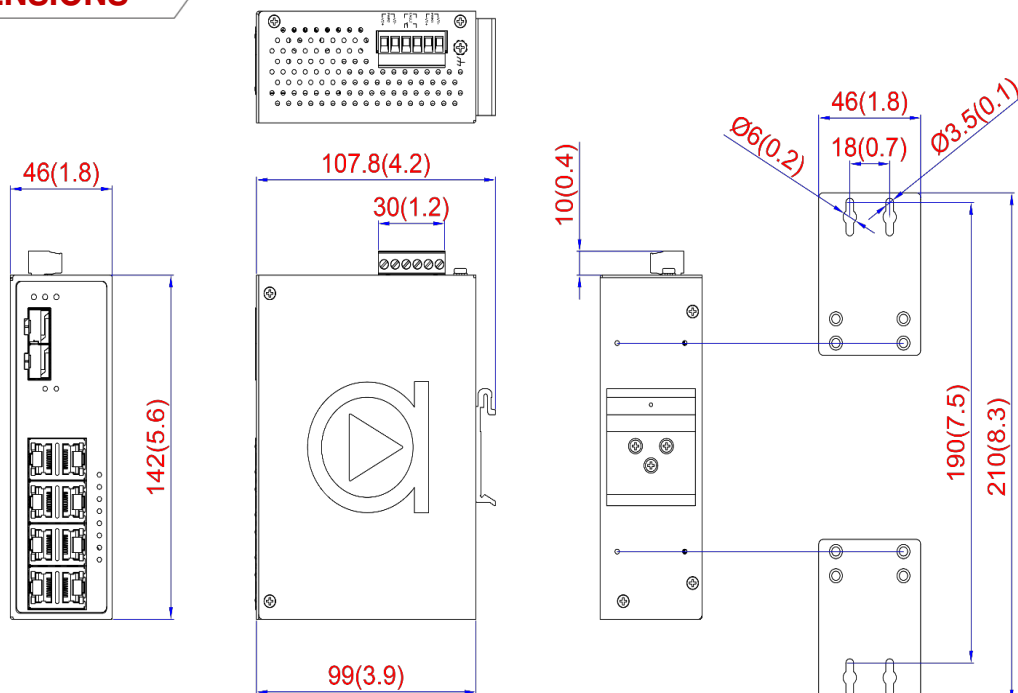
Features

- ▶ Supports 8*10/100/1000Tx IEEE 802.3at PoE+ Compliant (30W/Port) and 2*100/1000 SFP
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 20Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ 12~55VDC Redundant Power Input (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 - STD: -10°C to 70°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-1002G-SFP-24 Series industrial PoE/PoE+ gigabit unmanaged Ethernet switch features 8*10/100/1000Tx ports, which support IEEE 802.3at high power PoE (30W/Port), and two dual rate 100/1000 SFP slots. This product series provides high EFT and ESD protection to protect against unregulated voltage. There are also two wide-operating temperature models for either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 75°C), making it an ideal solution for harsh environments and industrial applications.

DIMENSIONS



Unit: mm (inch)

Din-rail

Wall-mount

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Tx Ethernet
	IEEE 802.3u 100Tx Fast Ethernet
	IEEE 802.3ab 1000Tx Gigabit Ethernet
	IEEE 802.3z Gigabit Fiber
	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 (Switching Fabric): 20Gbps
Transfer Rate	14,880pps for Ethernet Port
	148,800pps for Fast Ethernet Port
	1,488,000pps for Gigabit Ethernet Port
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
Port Interface	
Ethernet Port	8*10/100/1000BaseTx (30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	2*100/1000 SFP Slot
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)
LED Indicators	System: Power 1, Power 2, Fault
	Ethernet Ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices SFP: Link/Active
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)
	100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)
	1000Base-TX: 4-pair UTP/STP Cat.5/5E cable EIA/TIA-568 100-ohm (100m)

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimension	46 x 142 x 99 mm
Weight	Unit: 1.9 lbs.; Shipping: 2.3 lbs.
Mounting	DIN-Rail mounting, Wall mounting
Power Requirement	
Input Voltage	12~55VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Relay Contact	24VDC, 1A resistive
Overload Current Protection	Present
Power Reverse Polarity Protection	Present
System Power Consumption	12W
Max PoE Power Budget	60W@12VDC
	200W@36-55VDC
Environmental Limits	
Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55024/EN61000-6-2, 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, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-1002G-SFP-24	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots, 12~55VDC Power Input
LNP-1002G-SFP-24-T	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots, 12~55VDC Power Input; EOT: -40°C to 75°C

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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