

LNP-1002C-SFP-24 Series

10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100Tx (30W/Port), 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots), 12~55VDC Power Input



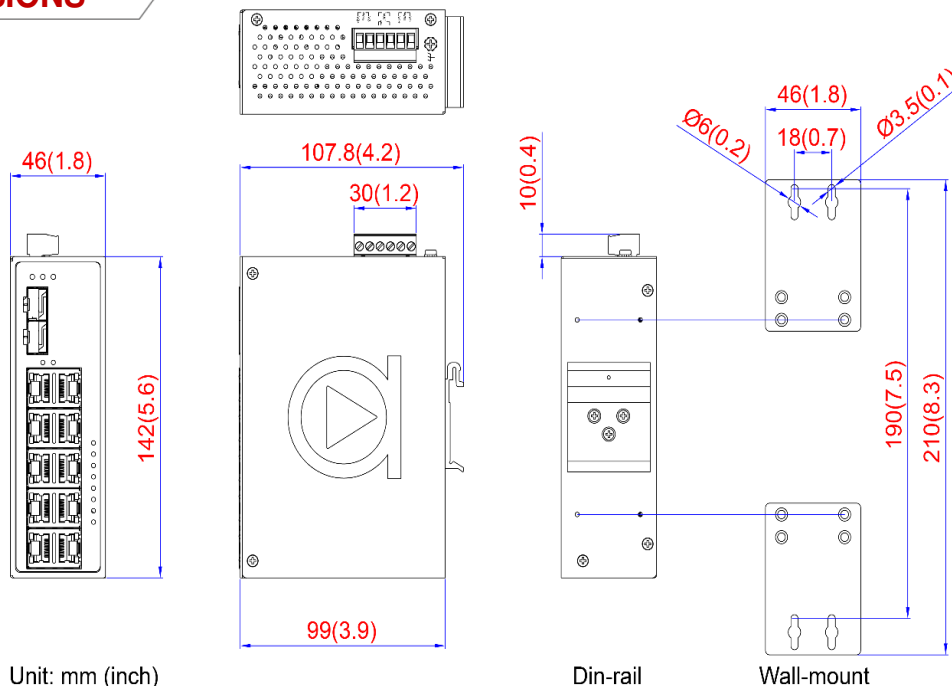
Features

- ▶ Supports 8*Port 10/100Tx IEEE 802.3at PoE+ Compliant (30W/Port) and 2*Gigabit Combo Port
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 5.6Gbps 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-1002C-SFP-24 Series industrial PoE/PoE+ gigabit unmanaged Ethernet switch features 8*10/100Tx ports, which support IEEE 802.3at high power PoE (30W/Port), and 2*GigE combo ports (2*10/100/1000Tx RJ45, and 2*100/100 SFP slots for fiber). This product series provides high EFT and ESD protection to prevent any unregulated voltage and the built-in dual low voltage power input in 12~55VDC with voltage booster as redundancy feature with reverse polarity protection. 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



SPECIFICATIONS

Technology	IEEE 802.3 10Tx Ethernet	Mechanical Characteristics	
Standards	IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3af/at Power over Ethernet	Housing	Metal, IP30 protection
Processing Type	Store and Forward	Dimension	46 x 142 x 99 mm
Protocol	CSMA/CD	Weight	Unit: 1.9 lbs.; Shipping: 2.33 lbs.
Flow Control	IEEE 802.3x back pressure flow control	Mounting	DIN-Rail mounting, Wall mounting
Switch Properties		Power Requirement	
Switch Architecture	Back-Plane (Switching Fabric): 5.6Gbps	Input Voltage	12~55VDC Redundant Input
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	Power Connection	1 removable 6-contact terminal block
Memory Buffer	4Mbits	Relay Contact	24 VDC, 1A resistive
Jumbo Frame	9.6Kbytes	Overload Current Protection	Present
MAC Table Size	8K	Power Reverse Polarity Protection	Present
Port Interface		System Power Consumption	12W
Ethernet Port	8*10/100Tx RJ45 Ports (30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Max PoE Power Budget	60W@12VDC 200W@36-55VDC
Gigabit Combo Port (Copper/SFP)	2*10/100/1000Tx RJ45 Ports and 2*100/1000 SFP Slot	Environmental Limits	
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)	Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 75°C
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting SFP: Link/Active PoE: On-connected to PD devices	Storage Temperature	-40°C ~ 85°C
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) 1000BaseTX: 4-pair UTP/STP Cat.5/E cable EIA/TIA-568 100-ohm (100m)	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-1002C-SFP-24	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100Tx (30W/Port), 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots), 12~55VDC Power Input
LNP-1002C-SFP-24-T	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100Tx (30W/Port), 2*Gigabit Combo Ports (2*10/100/1000Tx RJ45 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.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660