

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



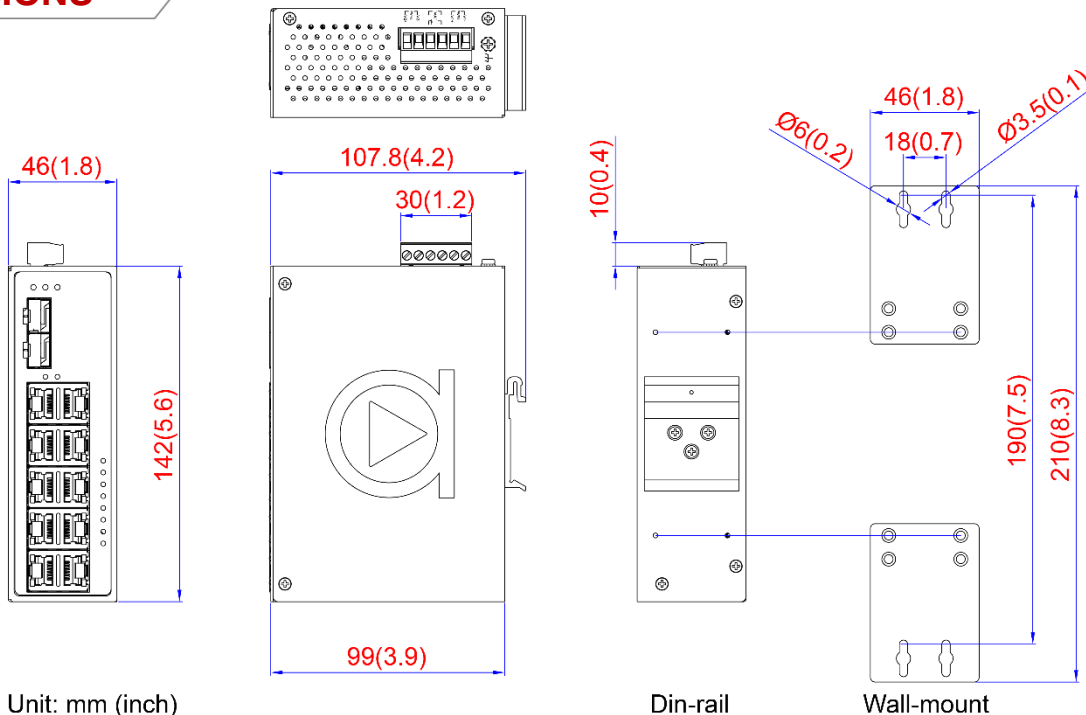
Features

- ▶ 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	
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): 5.6Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
Port Interface	
Ethernet Port	8*10/100Tx RJ45 Ports (30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Gigabit Combo Port (Copper/SFP)	2*10/100/1000Tx RJ45 Ports and 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 SFP: Link/Active PoE: On-connected to PD devices
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.5/5E 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: 2.33 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	24 VDC, 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

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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