

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



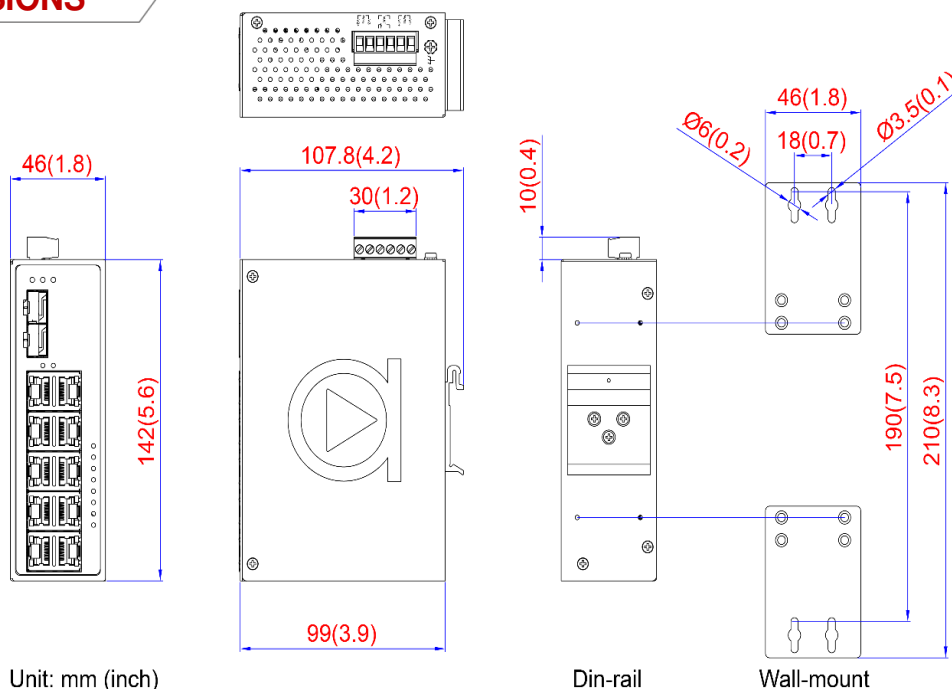
Features

- ▶ 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		Mechanical Characteristics	
Standards	IEEE 802.3 10Tx Ethernet	Housing	Metal, IP30 protection
	IEEE 802.3u 100Tx Fast Ethernet	Dimension	46 x 142 x 99 mm
	IEEE 802.3ab 1000Tx Gigabit Ethernet	Weight	Unit: 1.9 lbs.; Shipping: 2.33 lbs.
	IEEE 802.3z Gigabit Fiber	Mounting	DIN-Rail mounting, Wall mounting
	IEEE 802.3af/at Power over Ethernet	Power Requirement	
Processing Type	Store and Forward	Input Voltage	12~55VDC Redundant Input
Protocol	CSMA/CD	Power Connection	1 removable 6-contact terminal block
Flow Control	IEEE 802.3x back pressure flow control	Relay Contact	24 VDC, 1A resistive
Switch Properties		Overload Current Protection	Present
Switch Architecture	Back-Plane (Switching Fabric): 5.6Gbps	Power Reverse Polarity Protection	Present
Transfer Rate	14,880pps for Ethernet Port	System Power Consumption	12W
	148,800pps for Fast Ethernet Port	Max PoE Power Budget	60W@12VDC 200W@36-55VDC
	1,488,000pps for Gigabit Ethernet Port	Environmental Limits	
Memory Buffer	4Mbits	Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 75°C
Jumbo Frame	9.6Kbytes	Storage Temperature	-40°C ~ 85°C
MAC Table Size	8K	Ambient Relative Humidity	5 to 95%, (non-condensing)
Port Interface		Regulatory Approvals	
Ethernet Port	8*10/100Tx RJ45 Ports (30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
Gigabit Combo Port (Copper/SFP)	2*10/100/1000Tx RJ45 Ports and 2*100/1000 SFP Slot	EMS	CE EN55024/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)	Free Fall	IEC60068-2-32
LED Indicators	System: Power 1, Power 2, Fault	Shock	IEC60068-2-27
	Ethernet ports: On-Link/Flash-data transmitting	Vibration	IEC60068-2-6
	SFP: Link/Active	Green	RoHS Compliant
Network Cable	PoE: On-connected to PD devices	Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)	Warranty	5 Years
	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)		

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.

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