

LNP-0802C-SFP-24 Series

**8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch,
with 6*10/100Tx (30W/Port), 2*Gigabit Combo Ports
(2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slots), 12~55VDC
Power Input**



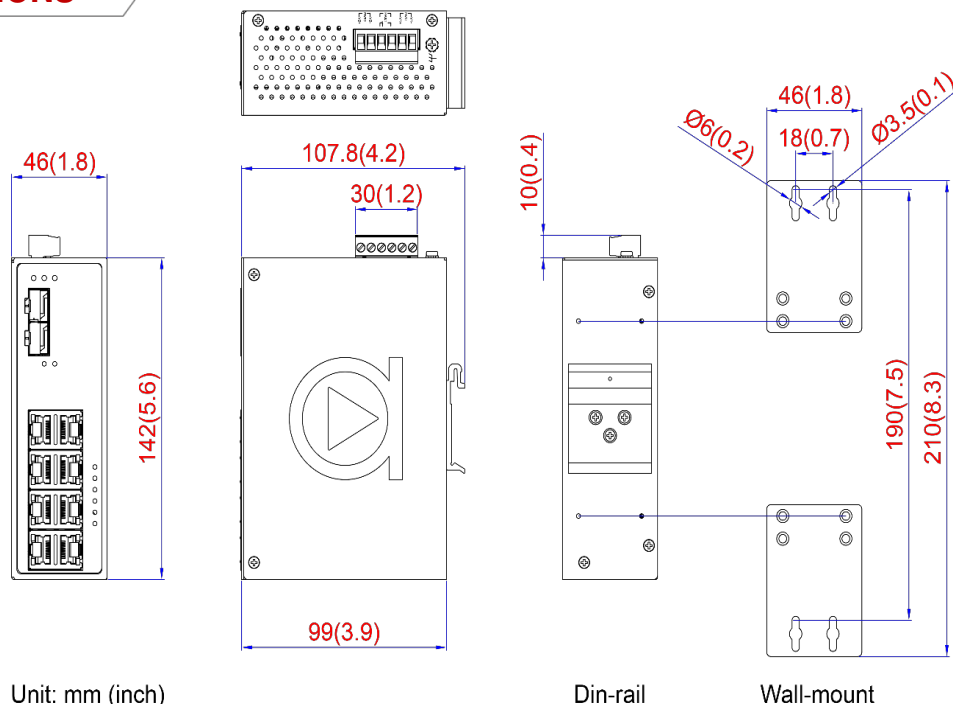
Features

- ▶ **Supports 6*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**
- ▶ **5.2Gbps 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° to 70°C, EOT: -40° to 75°C**
- ▶ **5-Year Warranty**

INTRODUCTION

Antara Technologies' LNP-0802C-SFP-24 Series industrial PoE/PoE+ gigabit unmanaged Ethernet switch features 6*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



Unit: mm (inch)

Din-rail

Wall-mount

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: 2.3 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): 5.2Gbps	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	60W@12VDC
	1,488,000pps for Gigabit Ethernet Port	Budget	180W@36-55VDC
Memory Buffer	4Mbits	Environmental Limits	
Jumbo Frame	9.6Kbytes	Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
MAC Table Size	8K	Storage Temperature	-40°C ~ 85°C
Port Interface		Ambient Relative Humidity	5 to 95%, (non-condensing)
Ethernet Port	6*10/100Tx RJ45 Ports (30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Regulatory Approvals	
Gigabit Combo Port (Copper/SFP)	2*10/100/1000Tx RJ45 Ports and 2*100/1000 SFP Slot	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)	EMS	CE EN55024/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
LED Indicators	System: Power 1, Power 2, Fault	Free Fall	IEC60068-2-32
	Ethernet ports: On-Link/Flash-data transmitting SFP: Link/Active PoE: On-connected to PD devices	Shock	IEC60068-2-27
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)	Vibration	IEC60068-2-6
	100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)	Green	RoHS Compliant
	1000BaseTX: 4-pair UTP/STP Cat.5/5E cable EIA/TIA-568 100-ohm (100m)	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-0802C-SFP-24-T	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 6*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 to 75C

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