

LNP-1002G-SFP Series

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



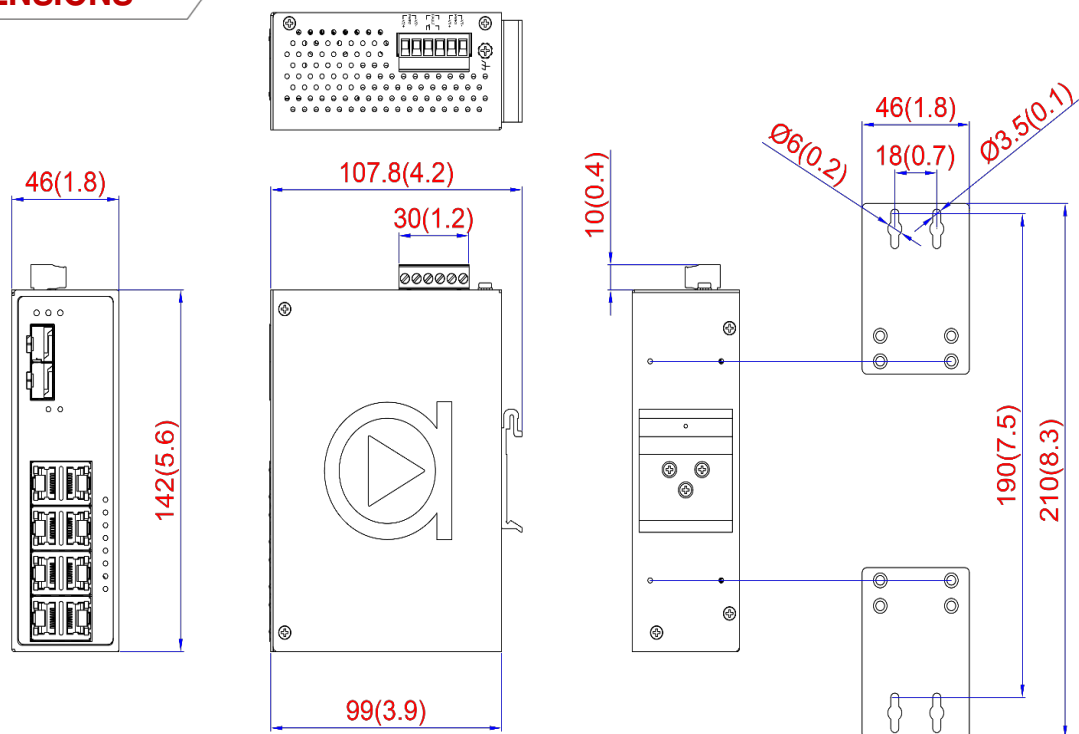
Features

- ▶ 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
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ 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

Antaira Technologies' LNP-1002G-SFP 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 2* 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		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: 1.75 lbs.; Shipping: 2.15 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	48~55VDC 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): 20Gbps	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	200W@48VDC 240W@55VDC
	1,488,000pps for Gigabit Ethernet Port	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	8*10/100/1000BaseTx (30W/Port)	Regulatory Approvals	
	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
SFP Port	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
Network Cable	PoE: On-connected to PD devices	Green	RoHS Compliant
	SFP: Link/Active	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)		
	1000Base-TX: 4-pair UTP/STP Cat.5/5E cable EIA/TIA-568 100-ohm (100m)		

ORDERING INFO

LNP-1002G-SFP	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots
LNP-1002G-SFP-T	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots; EOT: -40 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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