

LNP-1002G-SFP Series

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



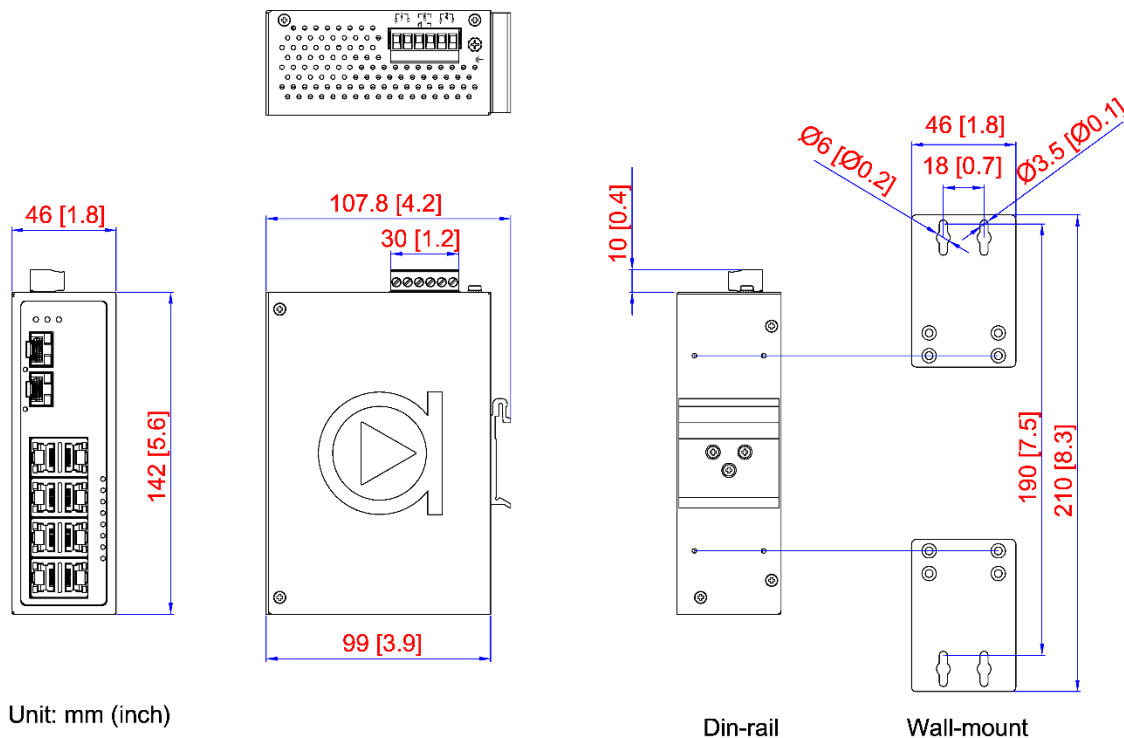
Features

- ▶ Supports 8-Port 10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W/Port, 2-Port 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
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC 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 two dual rate 100/1000Fx SFP slots. This product series provides high EFT and ESD protection to protect against unregulated voltage. It also provides wide operation temperature models for standard: -10° to 70°C and extended: -40° to 75°C. The LNP-1002G-SFP series is 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): 20.0Gbps 14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Jumbo Frame	9.6Kbytes
MAC Table Size	16K
Port Interface	
Ethernet Port	8*10/100/1000Tx RJ45 ports (PSE: 30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	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 PoE: On-connected to PD devices SFP: Link/Active
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: 1.5 lbs.; Shipping: 2.0 lbs.
Mounting	DIN-Rail mounting, Wall mounting
Power Requirement	
Input Voltage	48~55VDC 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	200W@48VDC 240W@55VDC
Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° 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

LNP-1002G-SFP	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 2*100/1000 SFP Slot
LNP-1002G-SFP-T	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 2*100/1000 SFP Slot; EOT: -40 to 75C