

# LNP-1002C-SFP 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)



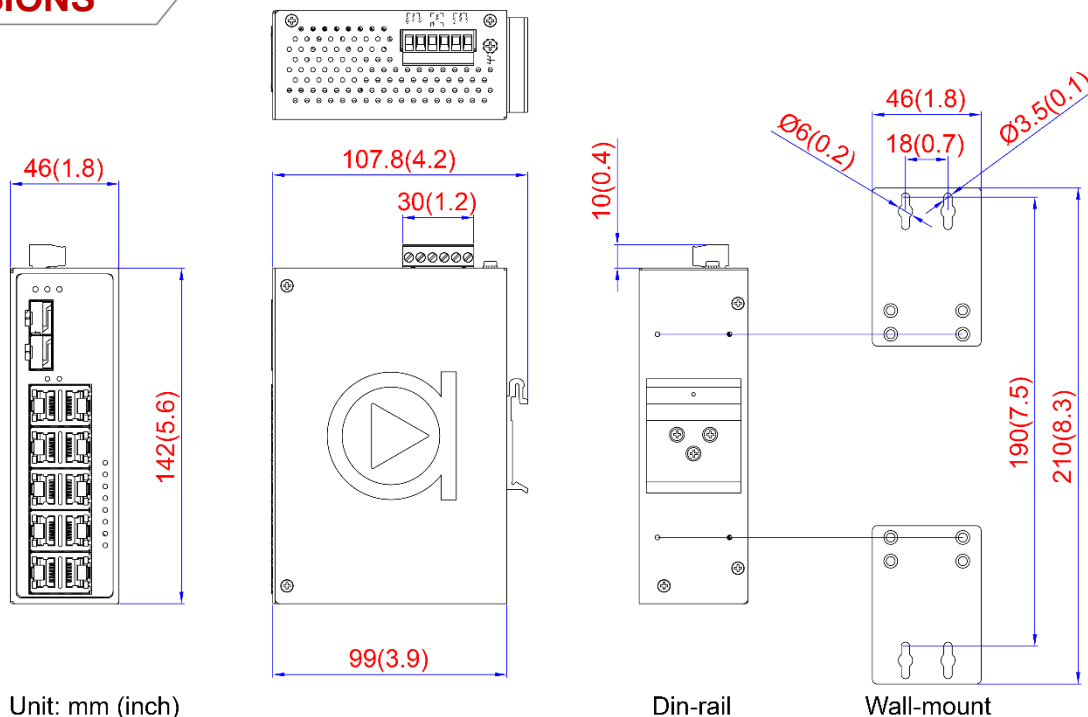
## Features

- ▶ Supports 8\*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
- ▶ 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-1002C-SFP 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 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



## SPECIFICATIONS

<b>Technology</b>	
<b>Standards</b>	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
<b>Processing Type</b>	Store and Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x back pressure flow control
<b>Switch Properties</b>	
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 5.6Gbps
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
<b>Memory Buffer</b>	4Mbits
<b>Jumbo Frame</b>	9.6Kbytes
<b>MAC Table Size</b>	8K
<b>Port Interface</b>	
<b>Ethernet Port</b>	8*10/100Tx RJ45 Ports (30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>Gigabit Combo Port (Copper/SFP)</b>	2*10/100/1000Tx RJ45 Ports and 2*100/1000 SFP Slot
<b>PoE Pin Out</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)
<b>LED Indicators</b>	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting SFP: Link/Active PoE: On-connected to PD devices
<b>Network Cable</b>	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)

<b>Mechanical Characteristics</b>	
<b>Housing</b>	Metal, IP30 protection
<b>Dimension</b>	46 x 142 x 99 mm
<b>Weight</b>	Unit: 1.75 lbs.; Shipping: 2.16 lbs.
<b>Mounting</b>	DIN-Rail mounting, Wall mounting
<b>Power Requirement</b>	
<b>Input Voltage</b>	48~55VDC Redundant Input
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Relay Contact</b>	24 VDC, 1A resistive
<b>Overload Current Protection</b>	Present
<b>Power Reverse Polarity Protection</b>	Present
<b>System Power Consumption</b>	12W
<b>Max PoE Power Budget</b>	200W@48VDC, 240W@55VDC
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -10° to 70°C EOT: -40° to 75°C
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Regulatory Approvals</b>	
<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
<b>EMS</b>	CE EN55024/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Green</b>	RoHS Compliant
<b>Certifications</b>	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNP-1002C-SFP</b>	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)
<b>LNP-1002C-SFP-T</b>	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); EOT: -40 to 75C