LNP-1204G-SFP Series

12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (PSE: 30W/Port) and 4*100/1000 SFP Slots

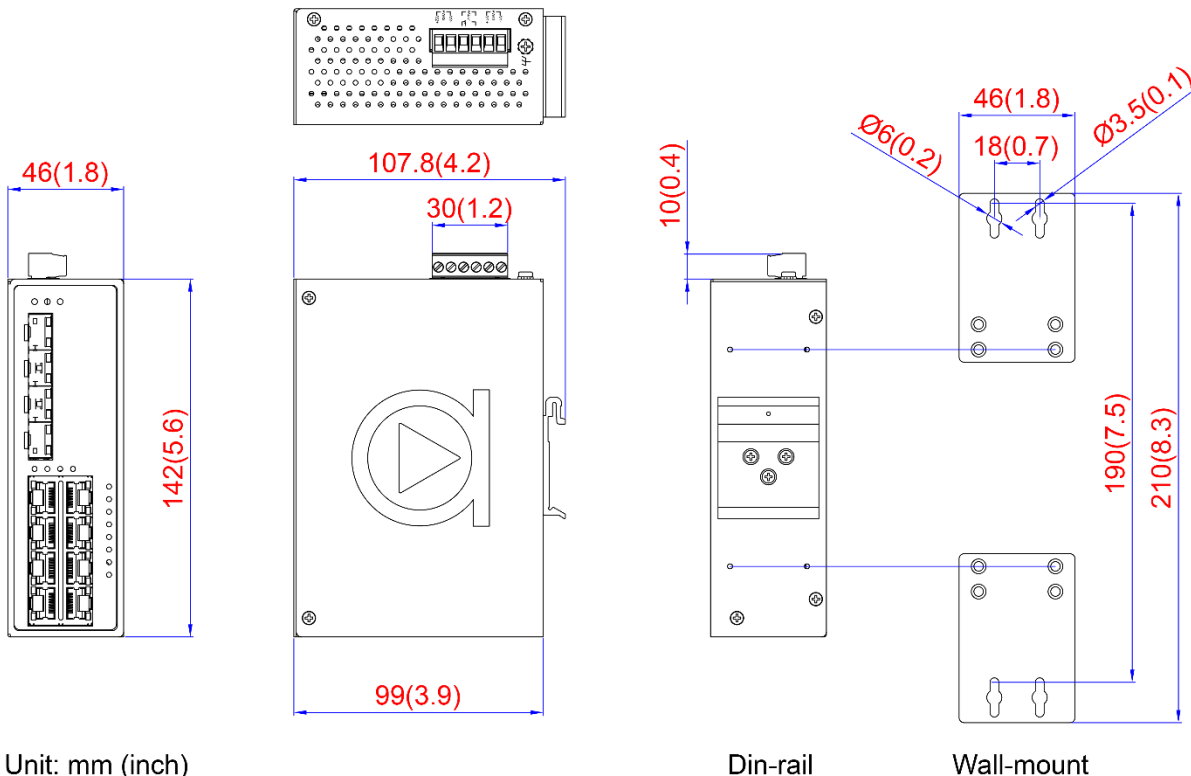## Features

► **Supports 8*10/100/1000Tx IEEE 802.3af/at PoE+ Compliant with 30W/Port and 4-Port 100/1000 SFP**
► **Supports Auto MDI/MDI-X Function**
► **Store-and-Forward Switching Architecture**
► **24Gbps 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 or Wall Mountable**
► **Operating Temperature Range**
  – STD: -10°C to 70°C, EOT: -40°C to 75°C
► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-1204G SFP Series industrial PoE+ gigabit unmanaged Ethernet switch features eight Gigabit ports with IEEE 802.3at high power PoE (30W/Port). The LNP-1204G-SFP series also provides four dual rate 100/1000Fx SFP slots for fiber connections, making it ideal for applications that demand PoE power support, high bandwidth and long-distance communication within any harsh or outdoor environment. This product series also provides high EFT and ESD protection to prevent any unregulated voltage. Plus, it provides two wide operating temperature models to support either a -10 to 70˚C or -40 to 75˚C environment.

The LNP-1204G-SFP Series is ideal for supporting applications that require high density PoE+ port connections, such as, security surveillance, traffic monitoring systems, facility management in power/utility, water wastewater treatment plants, oil/gas/mining, and GigE machine vision systems within factory automation.

DIMENSIONS

46(1.8)

107.8(4.2)

30(1.2)

142(5.6)

99(3.9)

10(0.4)

46(1.8)

Ø6(0.2)

18(0.7)

Ø3.5(0.1)

190(7.5)

210(8.3)

Unit: mm (inch)

Din-rail   Wall-mount

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx IEEE 802.3z 1000X Gigabit Fiber IEEE 802.3af/at Power over Ethernet IEEE 802.3x Flow Control
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): 24Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K

Port Interface	
Ethernet Port	8*10/100/1000Tx RJ45 (30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
SFP Port	4*100/1000 SFP Slots
PoE Pin Out	V+, V+, V-, V- for pin 1, 2, 3, 6 (Endspan, MDI Alternative 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
Dimensions	46 x 99 x 142 mm (W x D x H)
Weight	Unit: 1.8 lbs Shipping: 2.3 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	24VDC, 1A resistive
Overload Current Protection	Present
Reverse Polarity Protection	Present
System Power Consumption	10W
Max PoE Power Budget	240W

Environmental Limits	
Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 75°C
Storage Temperature	-40°C to 90°C
Ambient Relative Humidity	5% to 95%, (non-condensing)

Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE EN55022/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
Warranty	5 Years

ORDERING INFO

LNP-1204G-SFP	12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (PSE: 30W/Port) and 4*100/1000 SFP Slots
LNP-1204G-SFP-T	12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (PSE: 30W/Port) and 4*100/1000 SFP Slots; EOT: -40°C to 75°C