

## 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

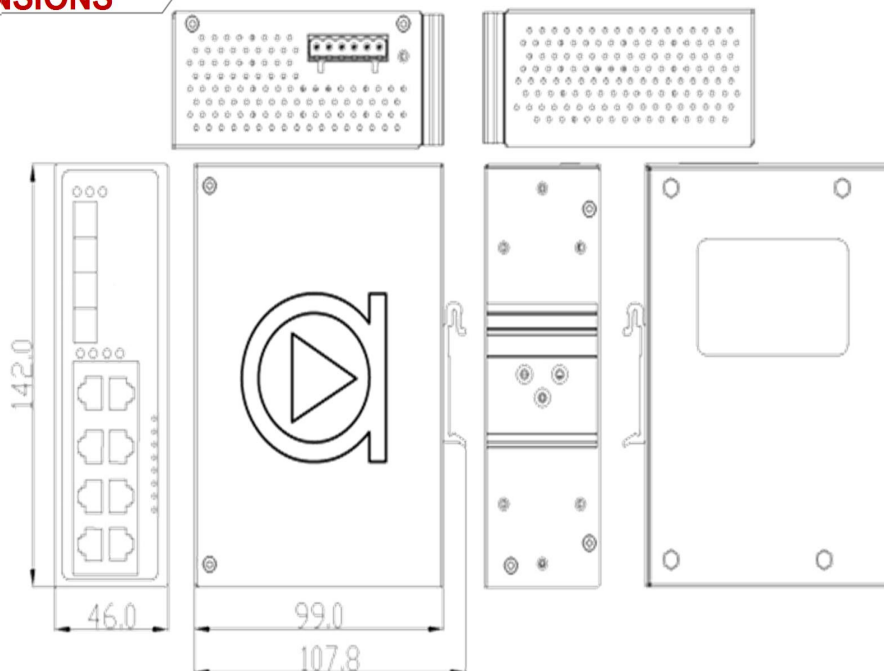
- ▶ Supports 8\*10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W/Port, + 4-Port 100/1000 SFP
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 24Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Surge Protection: 2,000 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-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



## SPECIFICATIONS

<b>Technology</b>		<b>Mechanical Characteristics</b>	
<b>Standards</b>	IEEE 802.3 10BaseTx Ethernet	<b>Housing</b>	Metal, IP30 protection
	IEEE 802.3u 100BaseTx Fast Ethernet	<b>Dimensions</b>	46 x 99 x 142 mm (W*D*H)
	IEEE 802.3ab 1000BaseTx	<b>Weight</b>	Unit: 1.8 lbs. Shipping Weight: 2.3 lbs.
	IEEE 802.3z Gigabit Fiber	<b>Mounting</b>	DIN-Rail, wall mounting (optional)
	IEEE 802.3at PoE+	<b>Environmental Limits</b>	
<b>Processing Type</b>	Store and Forward	<b>Operating Temperature</b>	STD: -10° to 70° C EOT: -40° to 75° C
<b>Protocol</b>	CSMA/CD	<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Flow Control</b>	IEEE 802.3x back pressure flow control	<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Switch Properties</b>		<b>Regulatory Approvals</b>	
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 24Gbps 14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port	<b>EMI</b>	FCC Class A
<b>Transfer Rate</b>	Surge: 2,00VDC & ESD: 6,000VDC 7,926pps (default)	<b>EMS</b>	EN61000-4-2,3,4,5,6,8, EN61000-6-2,4
<b>Protection</b>	9.6Kbytes	<b>Free Fall</b>	IEC60068-2-32
<b>Memory Buffer</b>	8K	<b>Shock</b>	IEC60068-2-27
<b>Jumbo Frame</b>		<b>Vibration</b>	IEC60068-2-6
<b>MAC Table Size</b>		<b>Green</b>	RoHS Compliant
<b>Interface</b>		<b>Certifications</b>	FCC, CE, UL 61010-1, UL 61010-2-201
<b>Ethernet Port</b>	8*10/100/1000Tx RJ45 (w/8*PSE: 30W/Port)	<b>Warranty</b>	5 Years
<b>Fiber Port</b>	4*100/1000 SFP Slot		
<b>PoE Pin out</b>	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A		
<b>Network Cable</b>	10Base Tx: 2-pair UTP/STP Cat. 3,4,5 100Base Tx: 2-pair UTP/STP Cat. 5 1000Base Tx: 2-pair UTP/STP Cat.5/5e/6		
<b>Power Requirements</b>			
<b>Input Voltage</b>	48~55VDC, Redundant Input		
<b>Overload Current Protection</b>	Present		
<b>Connection</b>	1 removable 6-contact terminal block		
<b>Reverse Polarity Protection</b>	Yes		
<b>Power Consumption</b>	Unit Consumes 15 Watts Full load w/PoE 215W@48V / 255W@51~55V		

## ORDERING INFO

LNP-1204G-SFP	12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 4*100/1000 SFP Slot; 48~55VDC input
LNP-1204G-SFP-T	12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 4*100/1000 SFP Slot; 48~55VDC input; EOT: -40 to 75C

### Optional Accessories

MDR-100-48	100W Industrial Din Rail Power Supply, 48VDC
SDR-120-48	120W Industrial Din Rail Power Supply, 48VDC
SDR-240-48	240W Industrial Din Rail Power Supply, 48VDC
DRP-240-48	240W Industrial Din Rail Power Supply, 48VDC
DRP-480-48	480W Industrial Din Rail Power Supply, 48VDC

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