

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

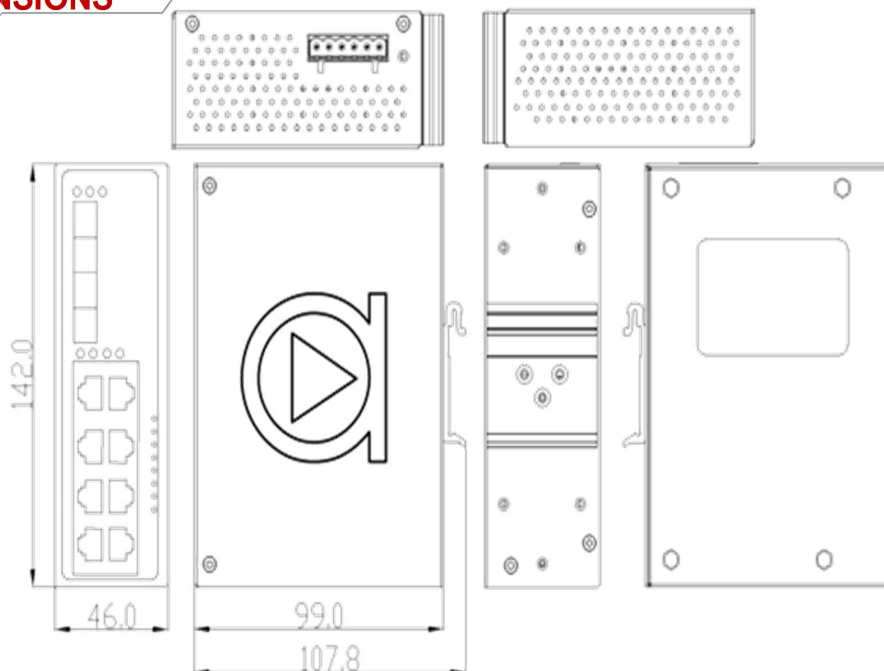
- ▶ Supports 8*10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W/Port, + 4-Port 100/1000 SFP
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 24Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Surge Protection: 2,000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

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