

LNP-1202G-SFP Series

12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 10*10/100/1000Tx (w/8*PSE: 30W/Port), and 2*100/1000 SFP Slots



Features

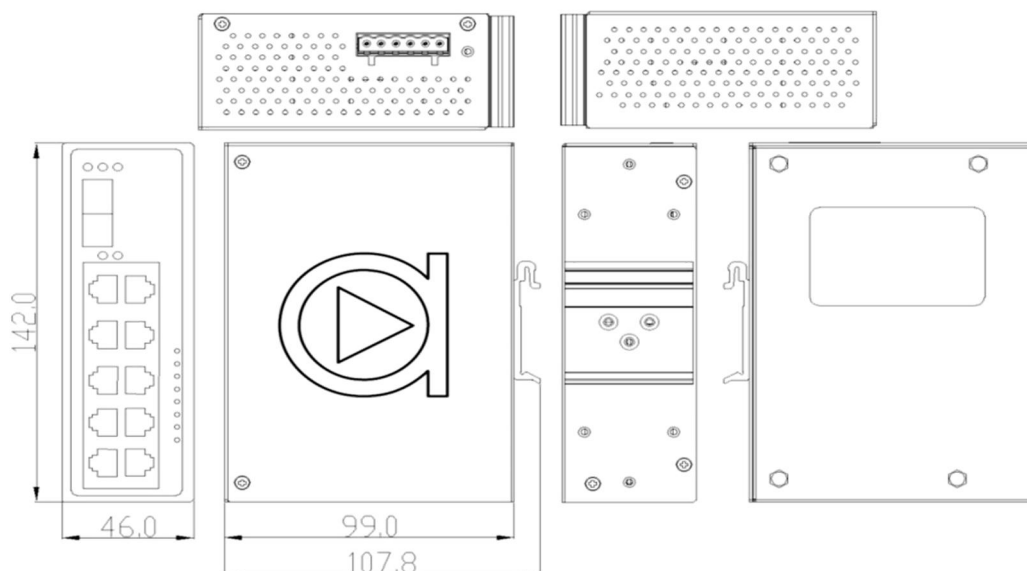
- ▶ Supports 8*10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W/Port, +2*10/100/1000Tx, and 2-Port 100/1000 SFP
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 24Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Surge 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-1202G-SFP industrial PoE+ gigabit unmanaged Ethernet switch features ten Gigabit ports, of which eight ports support IEEE 802.3at high power PoE (30W/Port). The LNP-1202G-SFP also provides two 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-1202G-SFP product 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	
Standards	IEEE 802.3 10BaseTx Ethernet
	IEEE 802.3u 100BaseTx Fast Ethernet
	IEEE 802.3ab 1000BaseTx
	IEEE 802.3z Gigabit Fiber
	IEEE 802.3at PoE+
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
Protection	Surge: 2,000VDC & ESD: 6,000VDC
Memory Buffer	7,926pps (default)
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
Interface	
Ethernet Port	10*10/100/1000Tx RJ45 (w/8*PSE: 30W/Port)
Fiber Port	2*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
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 10 Watts
	Full load w/PoE 215W@48V / 255W@51~55V

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 99 x 142 mm (W*D*H)
Weight	Unit: 1.8lbs.
	Shipping Weight: 2.3 lbs.
Mounting	DIN-Rail and Wall mounting Provided
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 Class A
EMS	EN61000-4-2,3,4,5,6,8
	EN61000-6-2,4
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-1202G-SFP	12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 10*10/100/1000Tx (30W/Port), and 2*100/1000 SFP; 48~55VDC input
LNP-1202G-SFP-T	12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 10*10/100/1000Tx (30W/Port), and 2*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