

LNP-1002G-SFP Series

10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch - 8*10/100/1000Tx (30W per Port), and 2*100/1000 SFP Slot



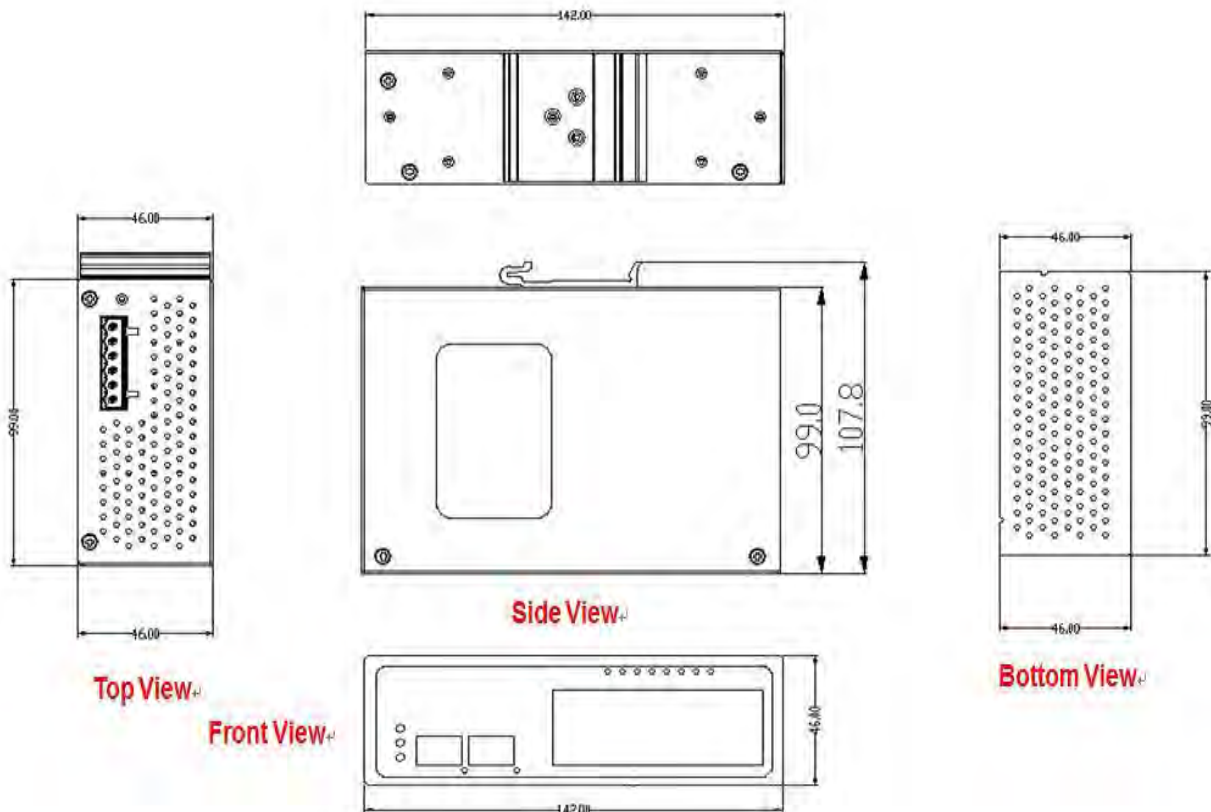
Features

- ▶ Supports 8-Port 10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W per Port, + 2-Port 100/1000 SFP
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 10Gbps 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-1002G-SFP series industrial PoE/PoE+ gigabit unmanaged Ethernet switch features 8*10/100/1000Tx ports, which support IEEE 802.3at high power PoE (30W/Port), and two dual rate 100/1000Fx SFP slots. This product series provides high EFT and ESD protection to protect against unregulated voltage. It also provides wide operation temperature models for standard: -10° to 70°C and extended: -40° to 75°C. The LNP-1002G-SFP series is an ideal solution for harsh environments and industrial applications.

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): 10Gbps
Transfer Rate	14,880pps for Ethernet Port
	148,800pps for Fast Ethernet Port
	1,488,000pps for Gigabit Ethernet Port
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
Interface	
Ethernet Port	8*RJ45 Ports w/10/100/1000Tx (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	210 Watts @ 48V
	250 Watts @ 51-55V (Full Load w/ PoE)

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 99 x 142 mm (W*D*H)
Weight	Unit: 1.5lbs.
	Shipping Weight: 2.0 lbs.
Mounting	DIN-Rail, Wall mounting (optional)
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	EN61000-4-2,3,4,5,6,8,11,12
	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-1002G-SFP	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 2*100/1000 SFP Slot
LNP-1002G-SFP-T	10-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx (30W/Port), and 2*100/1000 SFP Slot; EOT: -40 to 75C

Optional Accessories	
MDR-100-48	100W Industrial Single Output Miniature DIN Rail Power Supply, 48VDC
DR-120-48	120W Industrial Din Rail Power Supply, 48VDC
SDR-120-48	120W Industrial Single Output Miniature DIN Rail Power Supply, 48VDC
SDR-240-48	240W Industrial Slim & High Efficiency DIN Rail Power Supply with PFC Function, 48VDC