

LNP-1802G-SFP Series

18-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, 16*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots



FEATURES

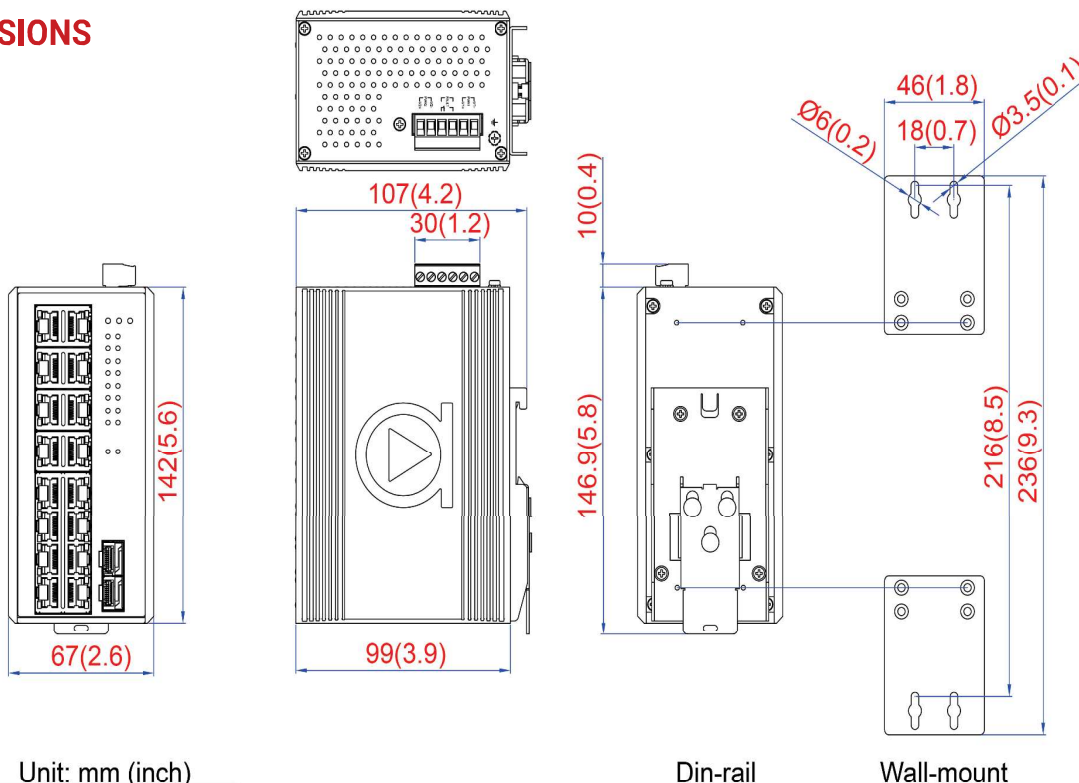
- ▶ Support 16*10/100/1000Tx IEEE 802.3at Compliant with 30W/Port and 2*100/1000 SFP Slot
- ▶ Built-in Relay for Power Redundancy Failure Warning
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant Power Input 48~55VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ Overload Current Protection
- ▶ IP30 Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty



INTRODUCTION

Antaira Technologies' LNP-1802G-SFP Series is a 18-port industrial Gigabit PoE+ unmanaged Ethernet switch embedded with 16*10/100/1000Tx Ethernet ports that support IEEE802.3at for a maximum of 30W/port and 2*100/1000 SFP Slots. It is IP30 rated and designed with both DIN-Rail and wall mounting options. It is ideal for applications that require high density port connections with full high PoE power outputs and wide network bandwidth. The LNP-1802G-SFP series works well in industrial applications such as, security video surveillance, GigE machine vision, process control automation, and intelligent transportation. This product series provides high EFT and ESD protection with a redundant power input support of 48~55VDC. The unit also supports a standard operating temperature from -10°C to 65°C or -40°C to 75°C with the extended temperature version.

DIMENSIONS



SPECIFICATIONS

TECHNOLOGY		POWER REQUIREMENT	
Standards	IEEE 802.3 10Base-T Ethernet	Input Voltage	48~55VDC Redundant Input
	IEEE 802.3u 100Base-TX Fast Ethernet	Power Connection	1 removable 6-contact terminal block
	IEEE 802.3ab 1000BaseT Gigabit Ethernet	Relay Contact	24VDC, 1A resistive
	IEEE 802.3z 1000Base-X Gigabit Fiber	Overload Current Protection	Present (Slow-Blown Fuse)
	IEEE 802.3af/at Power over Ethernet	Reverse Polarity Protection	Present
SWITCH PROPERTIES		System Power Consumption	Max 15 Watts full loading
Switch Architecture	Switching Fabric (Back-Plane): 36Gbps	PoE Pin Out	V+, V+, V-, V- for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
Processing Type	Store and Forward	PoE Power Budget	240W
Flow Control	IEEE 802.3x flow control, back pressure flow control	ENVIRONMENTAL LIMITS	
Protocol	CSMA/CD	Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C
Transfer Rate	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet	Storage Temperature	-40°C ~ 85°C
MAC Table Size	8K	Ambient Relative Humidity	5 to 95%, (non-condensing)
Jumbo Frame	9.6Kbytes	REGULATORY APPROVALS	
Memory Buffer	4Mbits	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
PORT INTERFACE		EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
Ethernet Port	16*10/100/1000Base-TX (30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Free Fall	IEC60068-2-32
SFP Port	2*100/1000 SFP Slot	Shock	IEC60068-2-27
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices SFP: Speed/Link/Active	Vibration	IEC60068-2-6
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m)	Green	RoHS Compliant
		Certifications	FCC, CE, UL61010-1, UL61010-2-201
		Warranty	5 Years
MECHANICAL CHARACTERISTICS			
Housing	Metal, IP30 protection		
Dimension	67 x 142 x 99 mm (W x H x D)		
Weight	Unit: 2.92 lbs. Shipping: 3.57 lbs.		
Mounting	DIN-Rail mounting, Wall mounting		

ORDERING INFORMATION

LNP-1802G-SFP	18-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, 16*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots
LNP-1802G-SFP-T	18-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, 16*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots; EOT: -40°C to 75°C

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660