

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

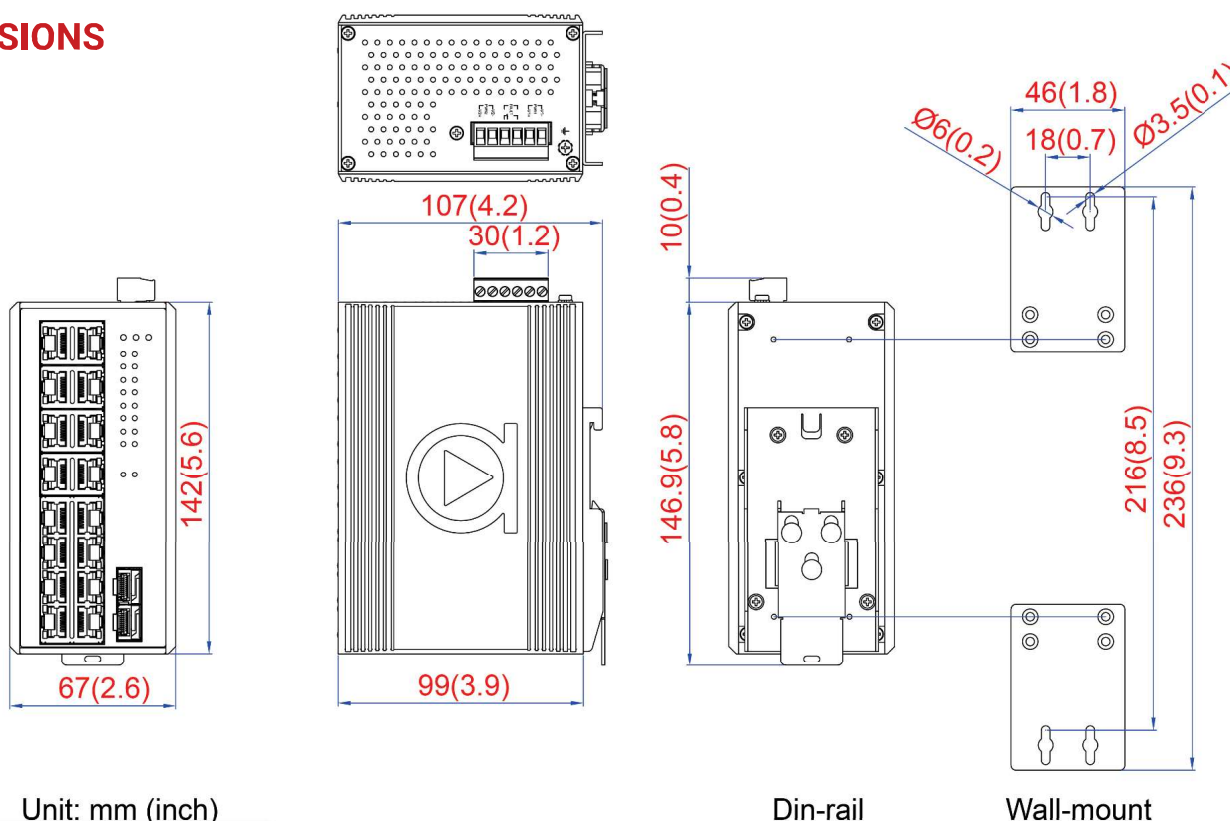
- ▶ Support 16*10/100/1000Tx IEEE 802.3at Compliant with 30W/Port and 2*100/1000 SFP Slot
- ▶ Built-in Relay for Power Redundancy Failure Warning
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant Power 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 IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3af/at Power over Ethernet	Input Voltage	48~55VDC Redundant Input
SWITCH PROPERTIES		Power Connection	1 removable 6-contact terminal block
Switch Architecture	Switching Fabric (Back-Plane): 36Gbps	Relay Contact	24VDC, 1A resistive
Processing Type	Store and Forward	Overload Current Protection	Present (Slow-Blown Fuse)
Flow Control	IEEE 802.3x flow control, back pressure flow control	Reverse Polarity Protection	Present
Protocol	CSMA/CD	System Power Consumption	Max 15 Watts full loading
Transfer Rate	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet	PoE Pin Out	V+, V+, V-, V- for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
MAC Table Size	8K	PoE Power Budget	240W
Jumbo Frame	9.6Kbytes	ENVIRONMENTAL LIMITS	
Memory Buffer	4Mbits	Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C
PORT INTERFACE		Storage Temperature	-40°C ~ 85°C
Ethernet Port	16*10/100/1000Base-TX (30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Ambient Relative Humidity	5 to 95%, (non-condensing)
SFP Port	2*100/1000 SFP Slot	REGULATORY APPROVALS	
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	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
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)	EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
MECHANICAL CHARACTERISTICS		Free Fall	IEC60068-2-32
Housing	Metal, IP30 protection	Shock	IEC60068-2-27
Dimension	67 x 142 x 99 mm (W x H x D)	Vibration	IEC60068-2-6
Weight	Unit: 2.92 lbs. Shipping: 3.57 lbs.	Green	RoHS Compliant
Mounting	DIN-Rail mounting, Wall mounting	Certifications	FCC, CE, UL61010-1, UL61010-2-201
		Warranty	5 Years

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