

# 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

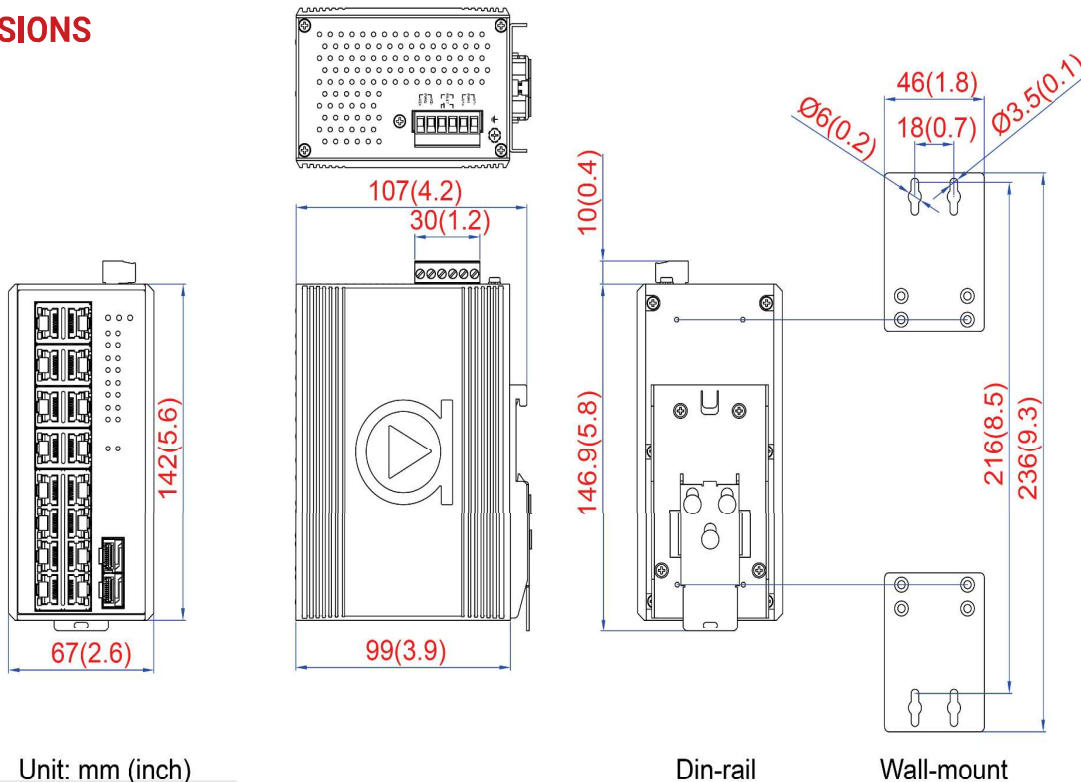
- ▶ Support 16\*10/100/1000Tx IEEE 802.3at Compliant with 30W/Port and 2\*100/1000 SFP Slot
- ▶ Built-in Relay for Power Redundancy Failure Warning
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant 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	
<b>Standards</b>	IEEE 802.3 10Base-T Ethernet	<b>Input Voltage</b>	48~55VDC Redundant Input
	IEEE 802.3u 100Base-TX Fast Ethernet	<b>Power Connection</b>	1 removable 6-contact terminal block
	IEEE 802.3ab 1000Base-T Gigabit Ethernet	<b>Relay Contact</b>	24VDC, 1A resistive
	IEEE 802.3z 1000Base-X Gigabit Fiber	<b>Overload Current Protection</b>	Present (Slow-Blown Fuse)
	IEEE 802.3af/at Power over Ethernet	<b>Reverse Polarity Protection</b>	Present
<b>SWITCH PROPERTIES</b>		<b>System Power Consumption</b>	Max 15 Watts full loading
<b>Switch Architecture</b>	Switching Fabric (Back-Plane): 36Gbps	<b>PoE Pin Out</b>	V+, V+, V-, V- for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
<b>Processing Type</b>	Store and Forward	<b>PoE Power Budget</b>	240W
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control	<b>ENVIRONMENTAL LIMITS</b>	
<b>Protocol</b>	CSMA/CD	<b>Operating Temperature</b>	STD: -10°C to 65°C EOT: -40°C to 75°C
<b>Transfer Rate</b>	14,880pps for Ethernet	<b>Storage Temperature</b>	-40°C ~ 85°C
	148,800pps for Fast Ethernet	<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
	1,488,000pps for Gigabit Ethernet	<b>REGULATORY APPROVALS</b>	
<b>MAC Table Size</b>	8K	<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
<b>Jumbo Frame</b>	9.6Kbytes	<b>EMS</b>	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
<b>Memory Buffer</b>	4Mbits	<b>Free Fall</b>	IEC60068-2-32
<b>PORT INTERFACE</b>		<b>Shock</b>	IEC60068-2-27
<b>Ethernet Port</b>	16*10/100/1000Base-TX (30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	<b>Vibration</b>	IEC60068-2-6
<b>SFP Port</b>	2*100/1000 SFP Slot	<b>Green</b>	RoHS Compliant
<b>LED Indicators</b>	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting	<b>Certifications</b>	FCC, CE, UL61010-1, UL61010-2-201
	PoE: On-connected to PD devices SFP: Speed/Link/Active	<b>Warranty</b>	5 Years
<b>Network Cable</b>	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)	<b>MECHANICAL CHARACTERISTICS</b>	
	100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)	<b>Housing</b>	Metal, IP30 protection
	1000BaseTX: UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m)	<b>Dimension</b>	67 x 142 x 99 mm (W x H x D)
		<b>Weight</b>	Unit: 2.92 lbs. Shipping: 3.57 lbs.
	<b>Mounting</b>	DIN-Rail mounting, Wall mounting	

## ORDERING INFORMATION

<b>LNP-1802G-SFP</b>	18-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, 16*10/100/1000Tx (30W/Port) and 2*100/1000 SFP Slots
<b>LNP-1802G-SFP-T</b>	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.

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