

# LNP-2004G-SFP Series

20-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, 16\*10/100/1000Tx (30W/Port) and 4\*100/1000 SFP Slots



## FEATURES

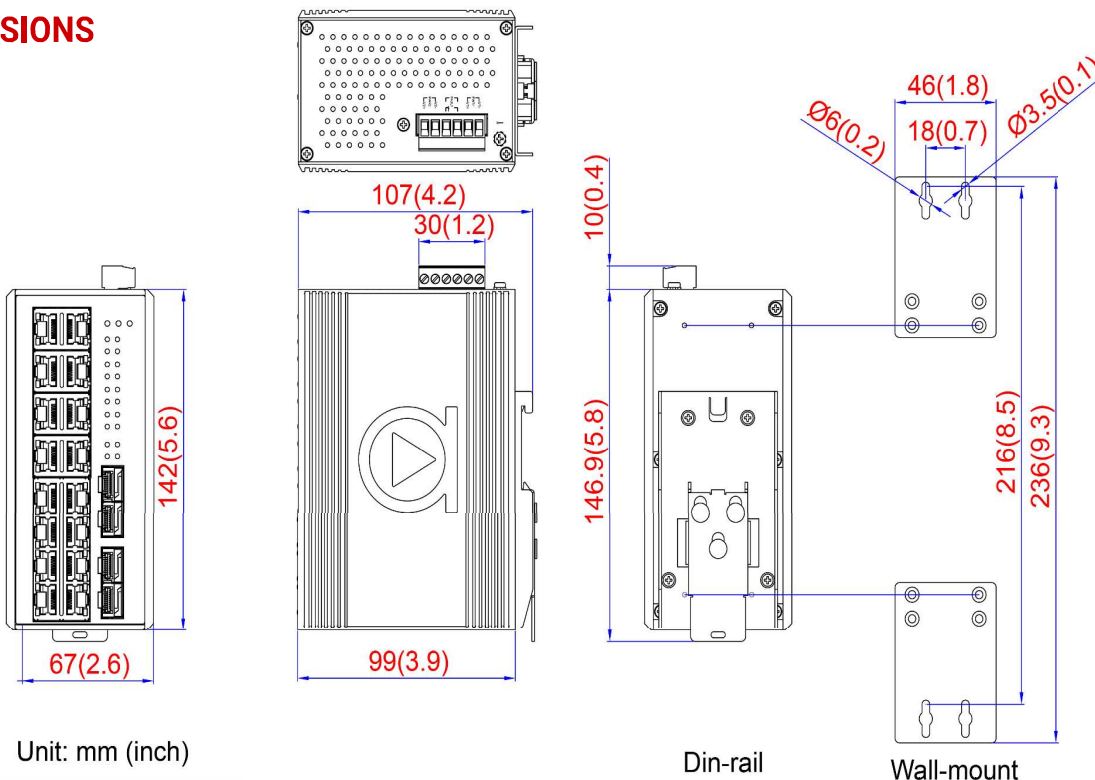
- ▶ Support 16\*10/100/1000Tx IEEE 802.3at Compliant with 30W/Port and 4\*100/1000 SFP Slot
- ▶ Built-in Relay for Power Redundancy Failure Warning
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant 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-2004G-SFP Series is a 20-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 4\*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-2004G-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): 40Gbps	<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 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet	<b>Storage Temperature</b>	-40°C ~ 85°C
<b>MAC Table Size</b>	8K	<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Jumbo Frame</b>	9.6Kbytes	<b>REGULATORY APPROVALS</b>	
<b>Memory Buffer</b>	4Mbits	<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
<b>PORT INTERFACE</b>		<b>EMS</b>	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
<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>Free Fall</b>	IEC60068-2-32
<b>SFP Port</b>	4*100/1000 SFP Slot	<b>Shock</b>	IEC60068-2-27
<b>LED Indicators</b>	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting	<b>Vibration</b>	IEC60068-2-6
	PoE: On-connected to PD devices SFP: Speed/Link/Active	<b>Green</b>	RoHS Compliant
<b>Network Cable</b>	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)	<b>Certifications</b>	FCC, CE, UL61010-1, UL61010-2-201
	100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)	<b>Warranty</b>	5 Years
	1000BaseTX: UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m)		
<b>MECHANICAL CHARACTERISTICS</b>			
<b>Housing</b>	Metal, IP30 protection		
<b>Dimension</b>	67 x 142 x 99 mm (W x H x D)		
<b>Weight</b>	Unit: 2.97 lbs. Shipping: 3.61 lbs.		
<b>Mounting</b>	DIN-Rail mounting, Wall mounting		

## ORDERING INFORMATION

<b>LNP-2004G-SFP</b>	20-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, 16*10/100/1000Tx (30W/Port) and 4*100/1000 SFP Slots
<b>LNP-2004G-SFP-T</b>	20-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, 16*10/100/1000Tx (30W/Port) and 4*100/1000 SFP Slots; EOT: -40°C to 75°C

## Assured Systems

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