

# LNP-1600G Series

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



## FEATURES

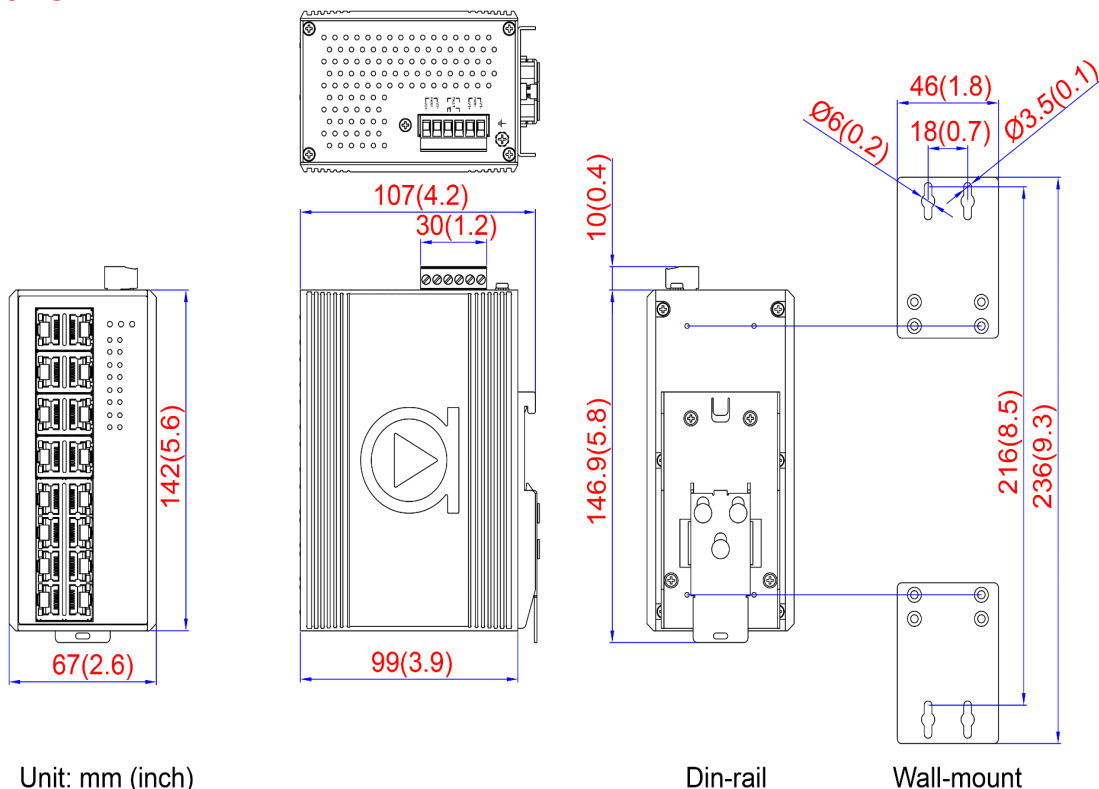
- ▶ Support 16\*10/100/1000Tx IEEE 802.3at Compliant with 30W/Port
- ▶ Built-in Relay for Power Redundancy Failure Warning
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant Power Input 48~55VDC in 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-1600G Series is a 16-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. 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-1600G 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 IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3af/at Power over Ethernet	<b>Input Voltage</b>	48~55VDC Redundant Input
<b>SWITCH PROPERTIES</b>		<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Switch Architecture</b>	Switching Fabric (Back-Plane): 32Gbps	<b>Relay Contact</b>	24VDC, 1A resistive
<b>Processing Type</b>	Store and Forward	<b>Overload Current Protection</b>	Present (Slow-Blown Fuse)
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control	<b>Reverse Polarity Protection</b>	Present
<b>Protocol</b>	CSMA/CD	<b>System Power Consumption</b>	Max 15 Watts full loading
<b>Transfer Rate</b>	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet	<b>PoE Pin Out</b>	V+, V+, V-, V- for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
<b>MAC Table Size</b>	8K	<b>PoE Power Budget</b>	240W
<b>Jumbo Frame</b>	9.6Kbytes	<b>ENVIRONMENTAL LIMITS</b>	
<b>Memory Buffer</b>	4Mbits	<b>Operating Temperature</b>	STD: -10°C to 65°C EOT: -40°C to 75°C
<b>PORT INTERFACE</b>		<b>Storage Temperature</b>	-40°C ~ 85°C
<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>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>LED Indicators</b>	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices	<b>REGULATORY APPROVALS</b>	
<b>Network Cable</b>	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)	<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
<b>MECHANICAL CHARACTERISTICS</b>		<b>EMS</b>	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
<b>Housing</b>	Metal, IP30 protection	<b>Free Fall</b>	IEC60068-2-32
<b>Dimension</b>	67 x 142 x 99 mm (W x H x D)	<b>Shock</b>	IEC60068-2-27
<b>Weight</b>	Unit: 2.81 lbs. Shipping: 3.43 lbs.	<b>Vibration</b>	IEC60068-2-6
<b>Mounting</b>	DIN-Rail mounting, Wall mounting	<b>Green</b>	RoHS Compliant
		<b>Certifications</b>	FCC, CE, UL61010-1, UL61010-2-201
		<b>Warranty</b>	5 Years

## ORDERING INFORMATION

<b>LNP-1600G</b>	16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, 16*10/100/1000Tx (30W/Port)
<b>LNP-1600G-T</b>	16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, 16*10/100/1000Tx (30W/Port); 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](mailto: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](mailto: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