

LNP-1600G Series

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



FEATURES

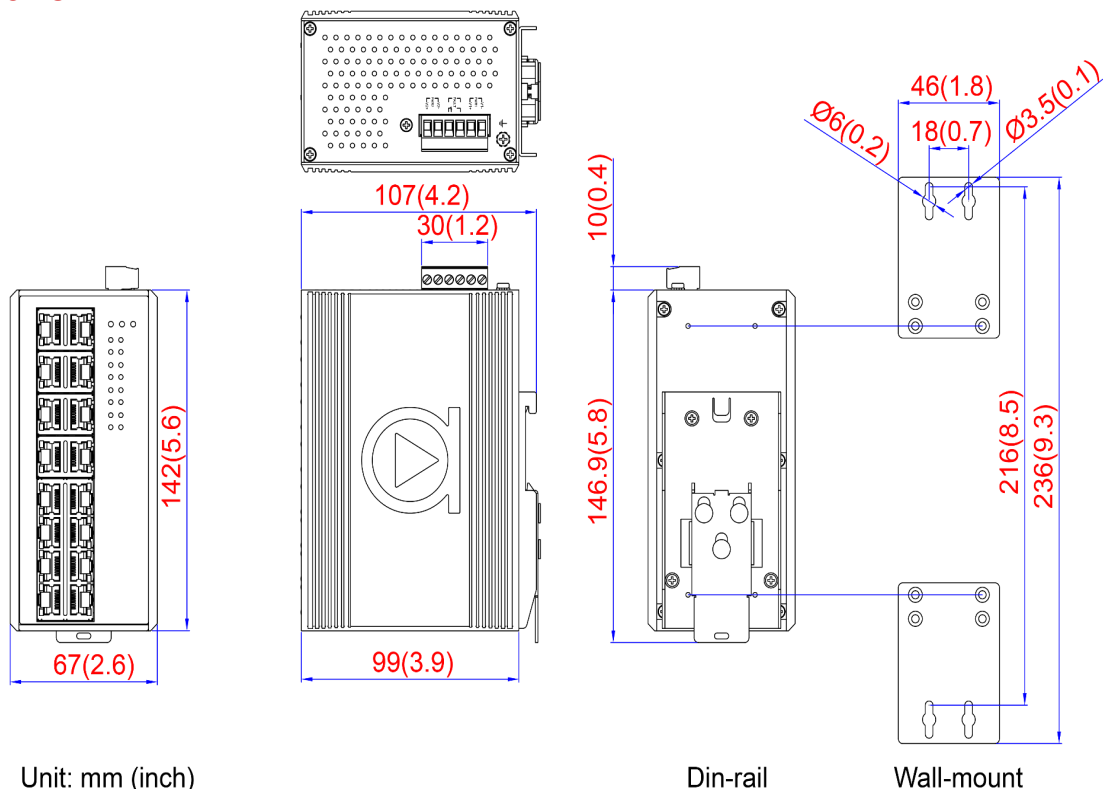
- ▶ Support 16*10/100/1000Tx IEEE 802.3at Compliant with 30W/Port
- ▶ Built-in Relay for Power Redundancy Failure Warning
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant Power Input 48~55VDC in 6-Pin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

ORDERING INFORMATION

LNP-1600G	16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, 16*10/100/1000Tx (30W/Port)
LNP-1600G-T	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

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