

# LNP-1600G Series

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



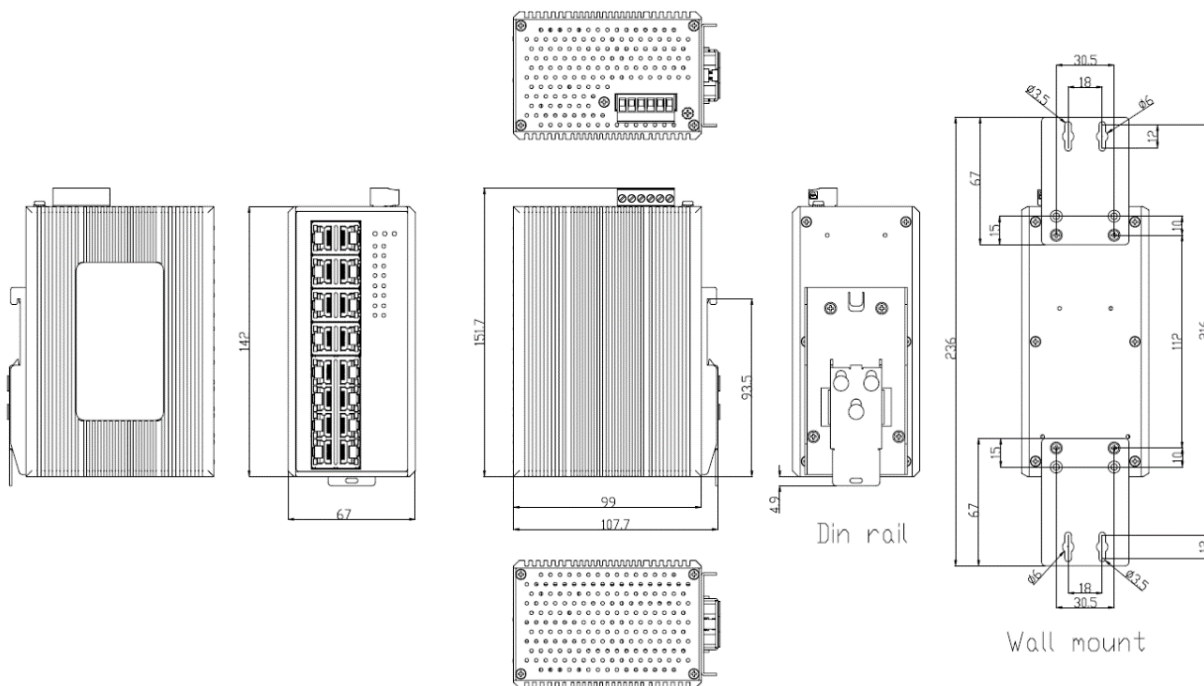
## Features

- ▶ Support 16\*10/100/1000Tx Gigabit Ethernet with IEEE 802.3at Compliant PoE+
- ▶ 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
- ▶ Power Polarity Reverse Protection
- ▶ Overload Current Protection
- ▶ DIN-Rail and Wall Mount Support
- ▶ Tested at Heavy Industry EMS Level for the Best Electro-Magnetic Susceptibility
- ▶ Operating Temperature Range: STD: -10° to 65°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira Technologies' LNP-1600G series has sixteen 10/100/1000TX RJ45 ports that support IEEE 802.3af/at PoE/PoE+ standards supplying up to 30 watts per port. It is IP30 rated 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° to 65°C or -40° to 75°C with the extended temperature version.

## DIMENSIONS



## SPECIFICATIONS

<b>Technology</b>	
<b>Standards</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3af/at Power over Ethernet
<b>Processing Type</b>	Store and Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x back pressure flow control
<b>Switch Properties</b>	
<b>Switch Architecture</b>	Back-Plane: Non-Blocking Switching Fabric
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
<b>Memory Buffer</b>	512Kbytes
<b>Jumbo Frame</b>	9,216bytes
<b>MAC Table Size</b>	8K
<b>Interface</b>	
<b>Ethernet Port</b>	16*10/100/1000T(X) with 16*PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>PoE Pin Out</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
<b>LED Indicators</b>	Power 1, Power 2, Fault Ethernet Ports: On- Link / Flashing- Data transmitting PoE: On- connected to PD devices
<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>Mechanical Characteristics</b>	
<b>Housing</b>	Aluminum and Metal, IP30 protection
<b>Dimensions</b>	67 x 142 x 99 mm (W x H x D)
<b>Weight</b>	Unit: 2.65 lbs. Shipping: 3.09 lbs.
<b>Mounting</b>	DIN-Rail, Wall Mounting (optional)

<b>Power Requirement</b>	
<b>Input Voltage</b>	48 to 55VDC, Redundant Inputs
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Reverse Polarity Protection</b>	Present
<b>Overload Current Protection</b>	Present
<b>PoE Power Output</b>	30Watts max. per PoE port
<b>Power Consumption</b>	13Watts for System
<b>Max. PoE Power Budget</b>	240Watts
<b>Relay Contact</b>	24VDC, 1A resistive
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -10°C to 65°C EOT: -40°C to 75°C
<b>Storage Temperature</b>	-40°C to 85°C
<b>Ambient Relative Humidity</b>	5% to 95%, (non-condensing)
<b>Regulatory Approvals</b>	
<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN 55032 Class A, EN 61000-6-4 Class A
<b>EMS</b>	CE EN 55024 Class A, EN 61000-6-2 Class A, IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
<b>Free Fall Shock</b>	IEC60068-2-32
<b>Vibration</b>	IEC60068-2-27
<b>Green</b>	RoHS Compliant
<b>Certifications</b>	FCC, CE, UL 61010-1 (Pending), UL 61010-2-201 (Pending)
<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNP-1600G</b>	16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 16*10/100/1000Tx
<b>LNP-1600G-T</b>	16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 16*10/100/1000Tx; EOT: -40°C to 75°C

### Optional Accessories

<b>NDR-240-48</b>	240W Industrial DIN-Rail Power Supply, 48VDC
<b>NDR-480-48</b>	480W Industrial DIN-Rail Power Supply, 48VDC