

# LNX-1600G Series

16-Port Industrial Gigabit Unmanaged Ethernet Switch, with 16\*10/100/1000Tx



## FEATURES

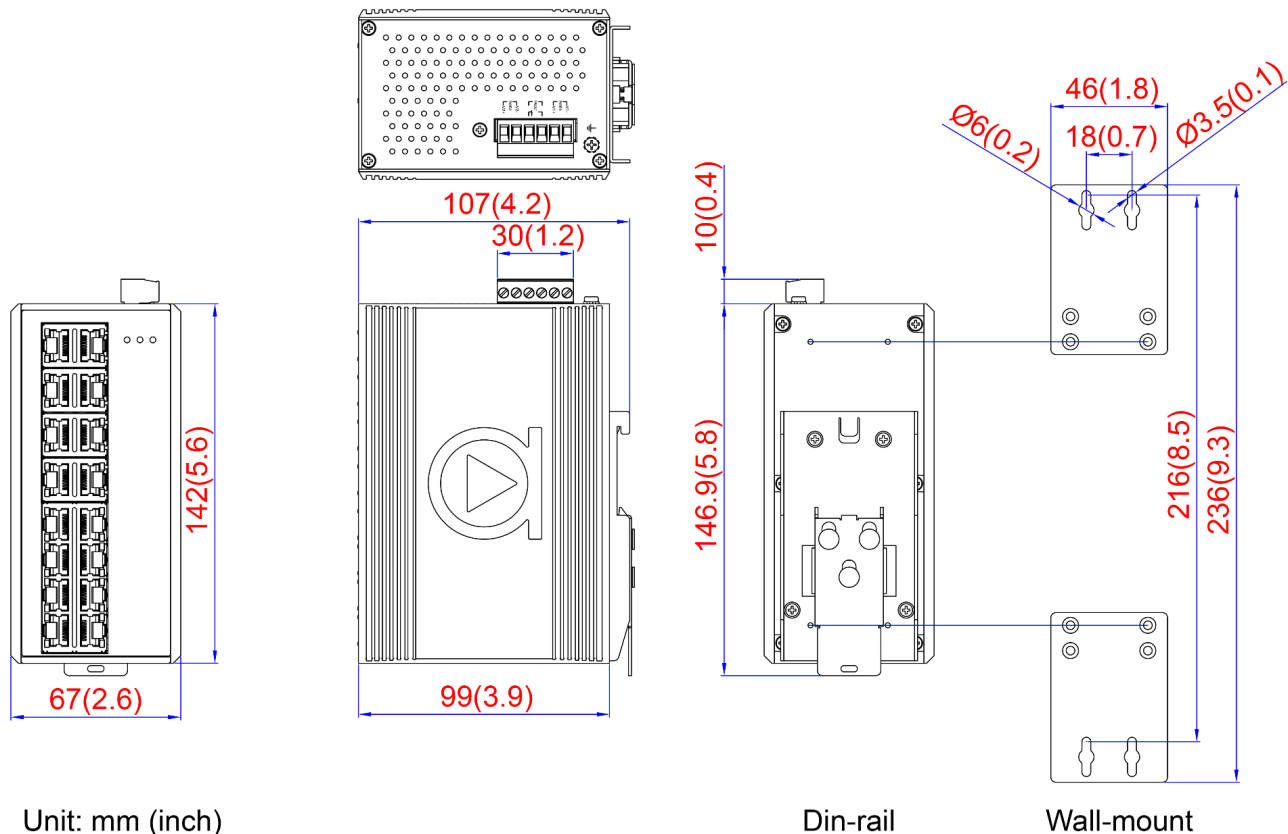
- ▶ Support 16\*10/100/1000Tx
- ▶ Built-in Relay for Power Redundancy Failure Warning
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant Power Input 12~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity 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' LNX-1600G Series is a 16-port industrial Gigabit unmanaged Ethernet switch embedded with 16\*10/100/1000Tx Ethernet ports. It is IP30 rated and designed with both DIN-Rail and wall mounting options. The LNX-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 12~48VDC. 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

<b>Standards</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet
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### SWITCH PROPERTIES

<b>Switch Architecture</b>	Switching Fabric (Back-Plane): 32Gbps
<b>Processing Type</b>	Store and Forward
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control
<b>Protocol</b>	CSMA/CD
<b>Transfer Rate</b>	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet
<b>MAC Table Size</b>	8K
<b>Jumbo Frame</b>	9.6Kbytes
<b>Memory Buffer</b>	4Mbits

### PORT INTERFACE

<b>Ethernet Port</b>	16*10/100/1000Base-TX Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>LED Indicators</b>	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting
<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)

### MECHANICAL CHARACTERISTICS

<b>Housing</b>	Metal, IP30 protection
<b>Dimension</b>	67 x 142 x 99 mm (W x H x D)
<b>Weight</b>	Unit: 2.47 lbs. Shipping: 3.10 lbs.
<b>Mounting</b>	DIN-Rail mounting, Wall mounting

### POWER REQUIREMENT

<b>Input Voltage</b>	12~48VDC Redundant Input
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Relay Contact</b>	24VDC, 1A resistive
<b>Overload Current Protection</b>	Present (Slow-Blown Fuse)
<b>Reverse Polarity Protection</b>	Present
<b>System Power Consumption</b>	14.4 Watts

### ENVIRONMENTAL LIMITS

<b>Operating Temperature</b>	STD: -10°C to 65°C EOT: -40°C to 75°C
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)

### REGULATORY APPROVALS

<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
<b>EMS</b>	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<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 Unmanaged Ethernet Switch, with 16*10/100/1000Tx
<b>LNP-1600G-T</b>	16-Port Industrial Gigabit Unmanaged Ethernet Switch, with 16*10/100/1000Tx; EOT: -40°C to 75°C