

LNX-1600G Series

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



FEATURES

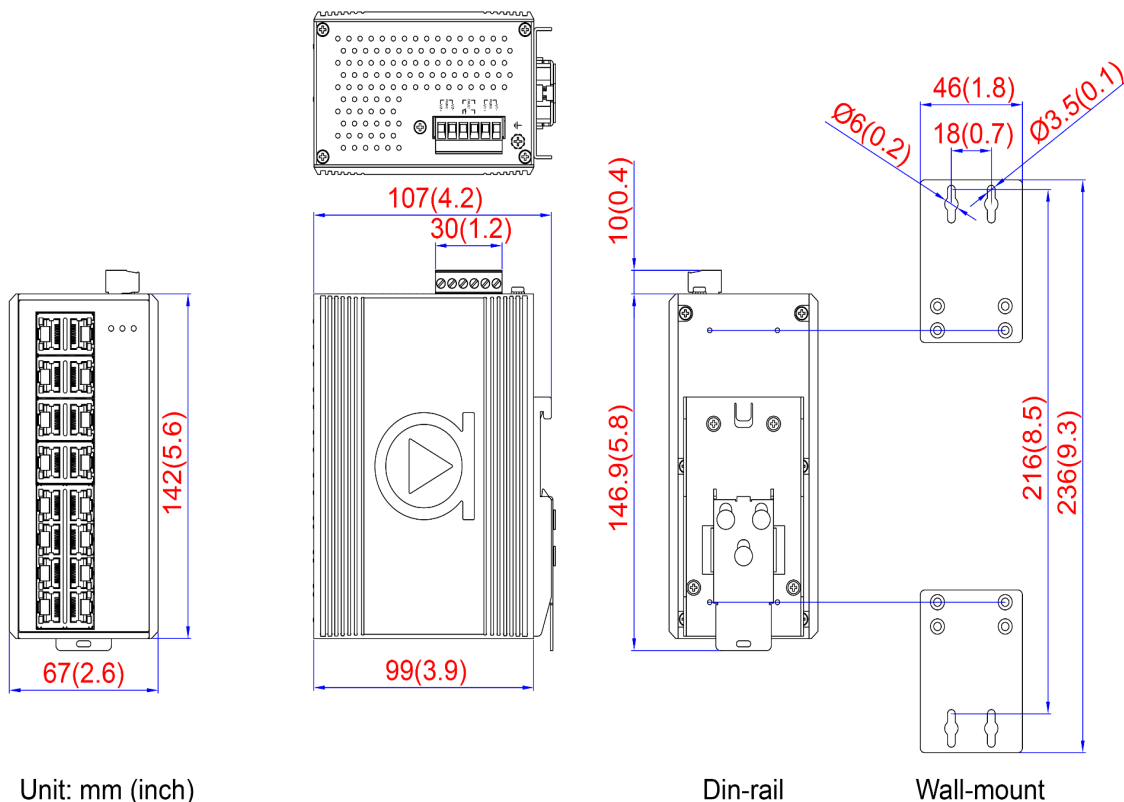
- ▶ Support 16*10/100/1000Tx
- ▶ Built-in Relay for Power Redundancy Failure Warning
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant Power Input 12~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity 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		POWER REQUIREMENT	
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet	Input Voltage	12~48VDC Redundant Input
SWITCH PROPERTIES		Power Connection	1 removable 6-contact terminal block
Switch Architecture	Switching Fabric (Back-Plane): 32Gbps	Relay Contact	24VDC, 1A resistive
Processing Type	Store and Forward	Overload Current Protection	Present (Slow-Blown Fuse)
Flow Control	IEEE 802.3x flow control, back pressure flow control	Reverse Polarity Protection	Present
Protocol	CSMA/CD	System Power Consumption	14.4 Watts
Transfer Rate	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet	ENVIRONMENTAL LIMITS	
MAC Table Size	8K	Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C
Jumbo Frame	9.6Kbytes	Storage Temperature	-40°C ~ 85°C
Memory Buffer	4Mbits	Ambient Relative Humidity	5 to 95%, (non-condensing)
PORT INTERFACE		REGULATORY APPROVALS	
Ethernet Port	16*10/100/1000Base-TX Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting	EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
Network Cable	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)	Free Fall	IEC60068-2-32
MECHANICAL CHARACTERISTICS		Shock	IEC60068-2-27
Housing	Metal, IP30 protection	Vibration	IEC60068-2-6
Dimension	67 x 142 x 99 mm (W x H x D)	Green	RoHS Compliant
Weight	Unit: 2.47 lbs. Shipping: 3.10 lbs.	Certifications	FCC, CE, UL61010-1, UL61010-2-201
Mounting	DIN-Rail mounting, Wall mounting	Warranty	5 Years

ORDERING INFORMATION

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

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