

LNX-1600G Series

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



Features

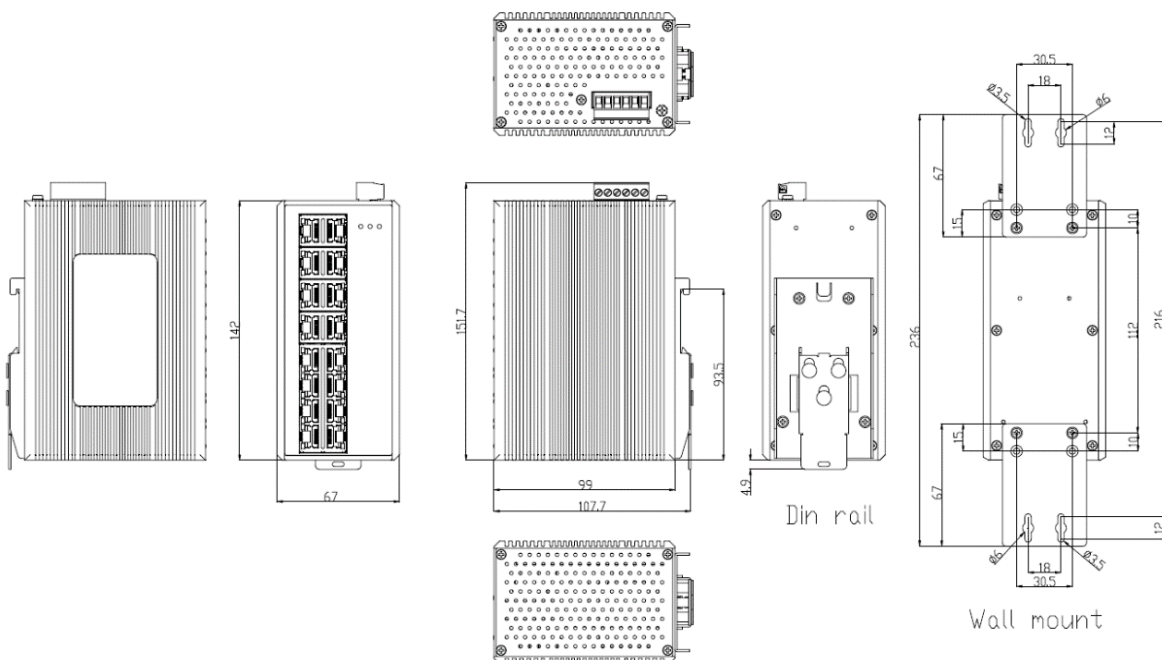
- ▶ Supports 16*10/100/1000Tx Gigabit Ethernet
- ▶ Built-in Relay for Power Redundancy Failure Warning
- ▶ IP30 Aluminum and Metal Case Design
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant Power Input: 12~48VDC
- ▶ 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' LNX-1600G series is an industrial gigabit unmanaged Ethernet switch designed with sixteen gigabit Ethernet ports. It is IP30 rated and DIN-Rail mountable making it ideal for applications that demand high bandwidth and long-distance communication; such as, power/utility, water wastewater treatment plants, oil/gas/mining, process control automation, security access control systems, and intelligent transportation systems.

This product series has a hardened design providing high EFT and ESD protection to prevent any unregulated voltage. It also has a dual power input support of 12~48VDC. There are two wide operating temperature models to support either a -10° to 65°C or -40° to 75°C environment.

DIMENSIONS



SPECIFICATIONS

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

Power Requirement	
Input Voltage	12 to 48VDC, Redundant Inputs
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
Power Consumption	12Watts
Relay Contact	24VDC, 1A resistive
Environmental Limits	
Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C
Storage Temperature	-40°C to 85°C
Ambient Relative Humidity	5% to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Part 15 Subpart B Class A, CE EN 55032 Class A, EN 61000-6-4 Class A
EMS	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)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1 (Pending), UL 61010-2-201 (Pending)
Warranty	5 Years

ORDERING INFO

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

Optional Accessories

HDR-30-24	30W Industrial DIN-Rail Power Supply, 24VDC
HDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC
EDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC