

# LNx-1600 Series

16-Port Industrial Unmanaged Ethernet Switch, with 16\*10/100Tx, 12-48VDC Power Input



## Features

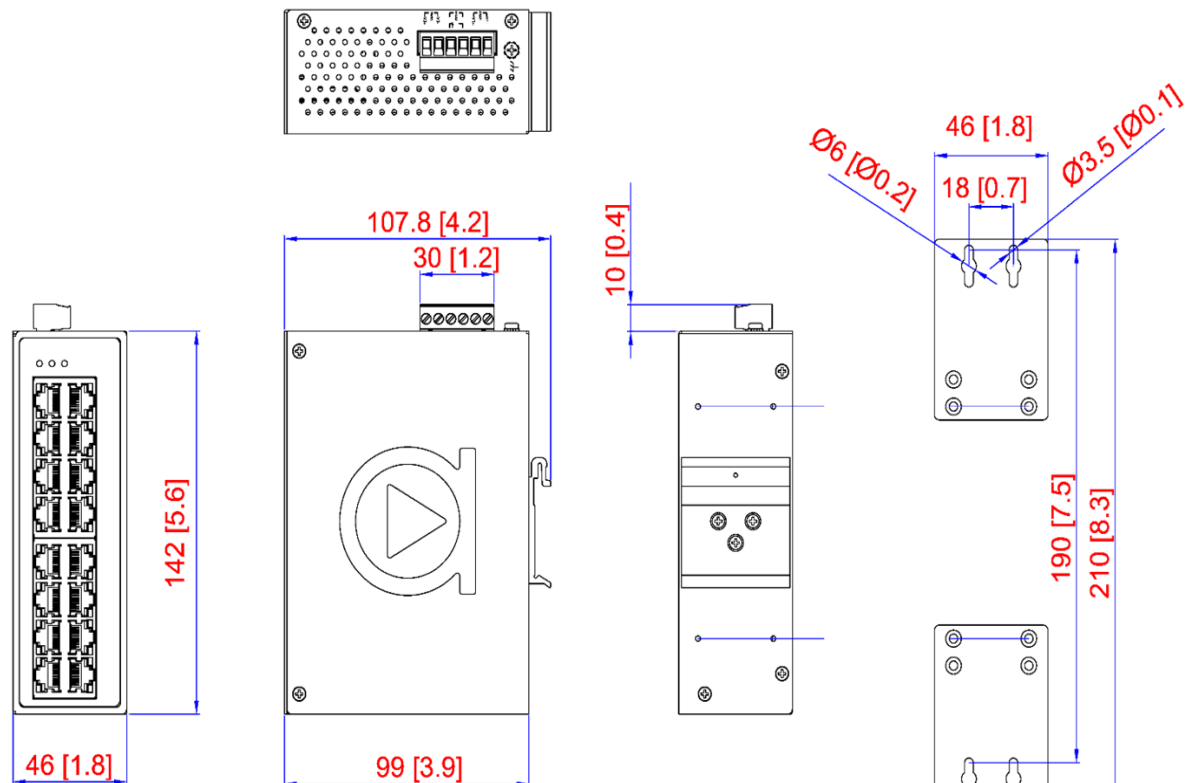
- ▶ Supports 16\*10/100Tx Fast Ethernet
- ▶ Store and Forward Switching Architecture
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support Included
- ▶ Operating Temperature Range
  - STD: -10°C ~ 65°C, EOT: -40°C ~ 75°C
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira Technologies' LNX-1600 series is an industrial unmanaged Ethernet switch designed with 16\*10/100 fast Ethernet ports. It is IP30 rated and DIN-Rail mountable making it ideal for applications that demand large port counts in a confined area; such as, power/utility, water wastewater treatment plants, oil/gas/mining, process control automation, security access control systems, intelligent transportation systems, or anywhere an industrial Ethernet switch that need to be enclosed in a confined area.

The LNX-1600 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°C to 65°C or -40°C to 75°C environment.

## DIMENSIONS



Unit: mm (inch)

Din-rail

Wall-mount

## SPECIFICATIONS

Technology		Mechanical Characteristics	
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet	Housing	Metal, IP30 protection
Processing Type	Store and Forward	Dimension	46 x 142 x 99 mm (W x H x D)
Protocol	CSMA/CD	Weight	Unit: 1.38 lbs. Shipping: 1.79 lbs.
Flow Control	IEEE 802.3x back pressure flow control	Mounting	DIN-Rail mounting, Wall mounting
Switch Properties		Power Requirement	
Switch Architecture	Back-Plane (Switching Fabric): 3.2Gbps	Input Voltage	12~48VDC Redundant Input
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port	Power Connection	1 removable 6-contact terminal block
Packet Buffer	4Mbits	Relay Contact	24VDC, 1A resistive
Jumbo Frame	1664 bytes	Overload Current Protection	Present
MAC Table Size	16K	Power Reverse Polarity Protection	Present
Port Interface		System Power Consumption	3.4W
Ethernet Port	16*10/100 Base-T(x) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Environmental Limits	
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting	Operating Temperature	STD: -10°C ~ 65°C EOT: -40°C ~ 75°C
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)	Storage Temperature	-40°C ~ 85°C
		Ambient Relative Humidity	5 to 95%, (non-condensing)
		Regulatory Approvals	
		EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
		EMS	CE EN55035/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8
		Free Fall	IEC60068-2-32
		Shock	IEC60068-2-27
		Vibration	IEC60068-2-6
		Green	RoHS Compliant
		Certifications	FCC, CE, UL 61010-1, 61010-2-201
		Warranty	5 Years

## ORDERING INFO

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

## Assured Systems

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