

LNX-1600-E Series

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



Features

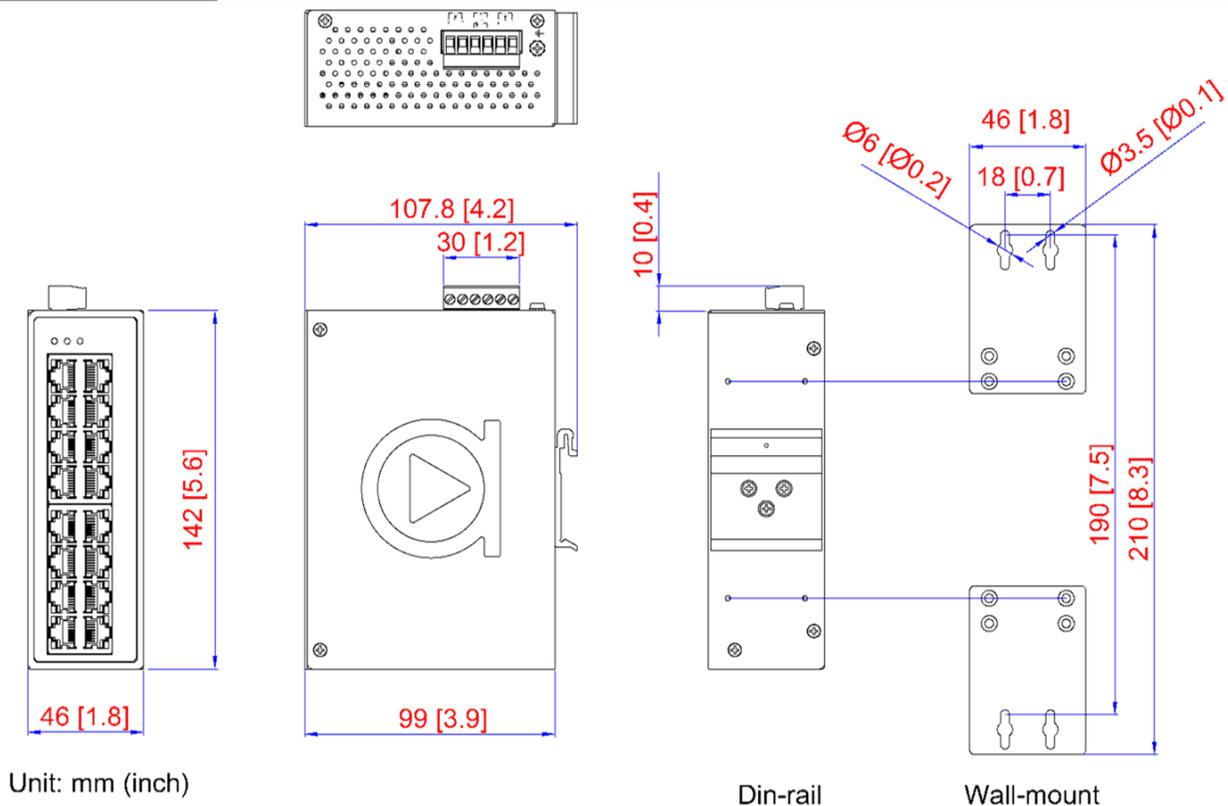
- ▶ E-Mark certified for vehicle applications
- ▶ Supports 16*10/100Tx Fast Ethernet
- ▶ Store and Forward Switching Architecture
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support Included
- ▶ Operating Temperature Range
 - STD: -10°C to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

INTRODUCTION

Antaira Technologies' LNX-1600-E 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 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.

The LNX-1600-E 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
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 3.2Gbps
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
Packet Buffer	4Mbits
Jumbo Frame	1664bytes
MAC Table Size	16K
Port Interface	
Ethernet Port	16*10/100 Base-T(x) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting
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)

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimension	46 x 142 x 99 mm
Weight	Unit: 1.38 lbs. Shipping: 1.79 lbs.
Mounting	DIN-Rail mounting, Wall mounting
Power Requirement	
Input Voltage	12~48VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Relay Contact	24VDC, 1A resistive
Overload Current Protection	Present
Power Reverse Polarity Protection	Present
System Power Consumption	3.4W
Environmental Limits	
Operating Temperature	STD: -10°C ~ 65°C EOT: -40°C ~ 75°C
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, E-Mark
Warranty	5 Years

ORDERING INFO

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