

# LNX-800AG-E Series

8-Port Industrial Gigabit Unmanaged Ethernet Switch, with 8\*10/100/1000Tx, 12-48VDC Power Input, E-mark Version



## Features

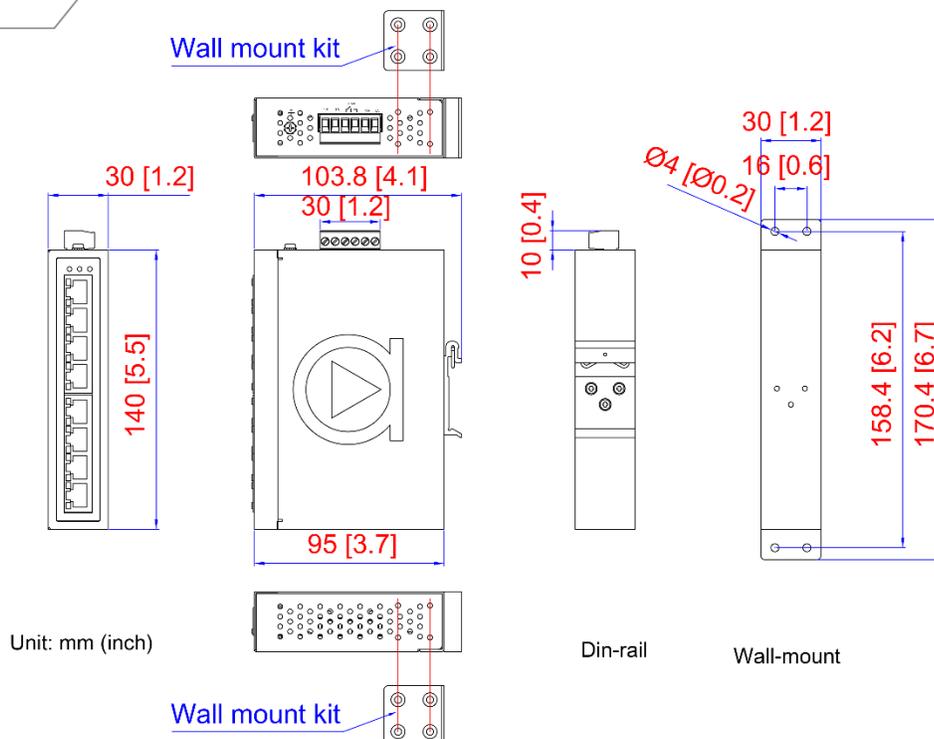
- ▶ E-Mark certified for vehicle applications
- ▶ Supports 8-Port 10/100/1000Tx Gigabit Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 16Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range - STD: -10°C to 70°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira Technologies' LNX-800AG-E series industrial Gigabit unmanaged Ethernet switch series is IP30 rated and DIN-Rail mountable with 8\*10/100/1000Tx, making it ideal for applications that demand a high bandwidth connectivity solution.

This series provides a high EFT and ESD protection that has a dual power input with a reverse power polarity protection. In addition, the built-in relay warning function alerts maintainers when power failures occur. There is a wide operating temperature model that supports -40°C to 75°C. The LNX-800AG-E series is an ideal solution for harsh outdoor weather environments and industrial applications.

## DIMENSIONS



## SPECIFICATIONS

Technology	
<b>Standards</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet
<b>Processing Type</b>	Store and Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 16Gbps 14,880pps for Ethernet port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
<b>Transfer Rate</b>	
<b>Memory Buffer</b>	4Mbits
<b>Jumbo Frame</b>	9.6Kbytes
<b>MAC Table Size</b>	8K
Interface	
<b>Ethernet Port</b>	8*10/100/1000Tx Base-T(X) Auto negotiation speed, Full/Half duplex mode, auto MDI/MDI-X connection
<b>LED Indicators</b>	System: Power 1, Power 2, Fault Ethernet Ports: Link/Activity/Speed
<b>Network Cable</b>	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) 1000Base-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
Mechanical Characteristics	
<b>Housing</b>	Metal, IP30 protection
<b>Dimensions</b>	30 x 140 x 95 mm (W x H x D)
<b>Weight</b>	Unit: 1.0 lb Shipping: 1.5 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>Reverse Polarity Protection</b>	Present
<b>Overload Current Protection</b>	Present
<b>System Power Consumption</b>	9.2 Watts
<b>Relay Contact</b>	24VDC, 1A resistive
Environmental Limits	
<b>Operating Temperature</b>	STD: -10°C to 70°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 EN55024/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
<b>Safety</b>	E-Mark for LNX-800AG-E series only
<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNX-800AG</b>	8-Port Industrial Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx
<b>LNX-800AG-T</b>	8-Port Industrial Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx; EOT: -40°C to 75°C
<b>LNX-800AG-E</b>	8-Port Industrial Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx, with E-Mark certification
<b>LNX-800AG-E-T</b>	8-Port Industrial Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx, with E-Mark certification; EOT: -40°C to 75°C