LNX-800A Series

8-Port Industrial Unmanaged Ethernet Switch, with 8*10/100Tx

Features
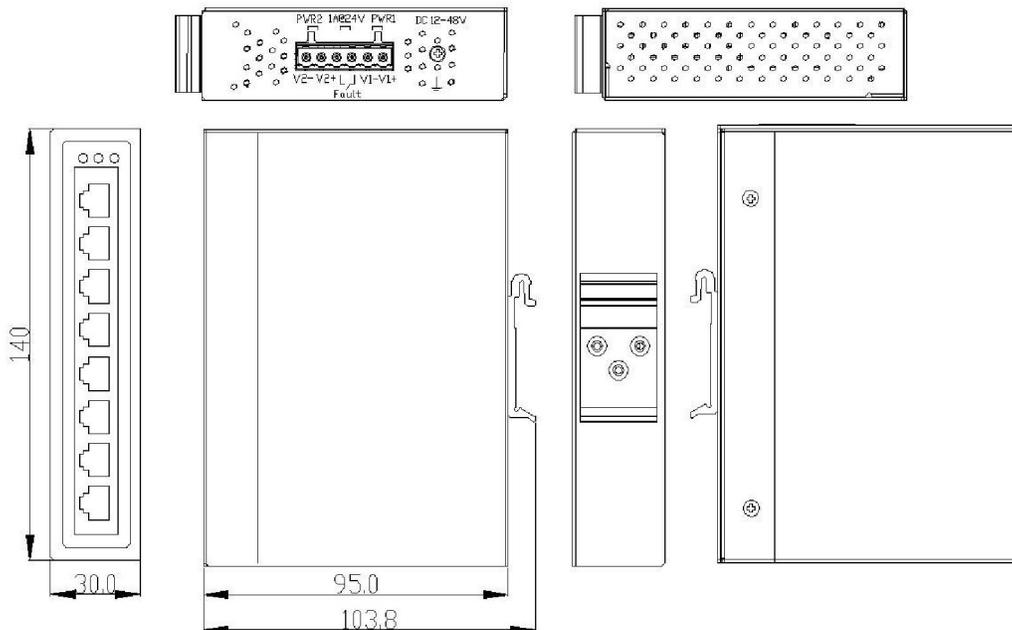
▶ **Supports 8-Port 10/100Tx RJ45 Fast Ethernet**
▶ **Supports Auto MDI/MDI-X Function**
▶ **Store-and-Forward Switching Architecture**
▶ **Surge Protection: 2,000 VDC Support**
▶ **ESD Protection: 6,000 VDC Support**
▶ **Redundant Power Input Design: 12~48VDC**
▶ **Power Polarity Reserve Protect**
▶ **Overload Current Resettable Fuse Present**
▶ **Built-in 1 Relay Output for Fault Alarm**
▶ **IP30 Rugged Metal Case Design**
▶ **DIN-Rail and Wall Mount Support**
▶ **Operating Temperature Range: STD: -10° to 70°C, EOT: -40° to 75°C**
▶ **UL Class 1 Division 2 Certified**
▶ **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNX-800A series industrial unmanaged Ethernet switch is IP30 rated and DIN-Rail mountable. Each unit is designed with five 10/100Tx Fast Ethernet ports that have auto detection support for MDI or MDI-X. The LNX-800A series provide high EFT and ESD protection and the built-in relay warning function alerts maintainers when power failures or port breaks occur.

The LNX-800A series includes two models: one with an operating temperature range of -10° to 70°C and the other one with an extended operating temperature range of -40° to 75°C. It is a perfectly designed product to fulfill special needs for industrial automation, outdoor applications, and harsh weather environments.

DIMENSIONS

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3U 100Tx 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): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
Transfer Rate	14,880pps For Ethernet Port 148,800pps For Fast Ethernet Port
MAC Table Size	2K

Interface

Ethernet Port	8*RJ45 - 10/100T(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection

Power Requirement

Input Voltage	12~48VDC, Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
Power Consumption	5 Watt

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions	30 x 140 x 95 mm (W x H x D)
Weight	Unit: 1.0 lb Shipping: 1.5 lbs
Mounting	DIN-Rail or Wall mounting (optional)

Environmental Limits

Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°~85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Class A
EMS	EN6100-4-2,3,4,5,6,8,11,12 EN6100-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 60850-1, UL 61010-1 UL 61010-2-201, ISA 12.12.01, UL Class 1 Division 2
Warranty	5 Years

ORDERING INFO

LNX-800A	8-Port Industrial Unmanaged Ethernet Switch with 8*10/100Tx
LNX-800A-T	8-Port Industrial Unmanaged Ethernet Switch with 8*10/100Tx; EOT: -40° to 75°C

Optional Accessories	
MDR-10-24	10W Industrial DIN-Rail Power Supply, 24VDC
DR-15-24	15W Industrial DIN-Rail Power Supply, 24VDC