LNX-800A-T-CC

8-Port Slim Industrial Ethernet Switch, EOT: -40°~75°C, with Conformal Coating

Features

► **Conformal Coating**
► **Support 8-Port 10/100Tx RJ45 Fast Ethernet**
► **Support 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 Reverse 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: EOT: -40° to 75°C**
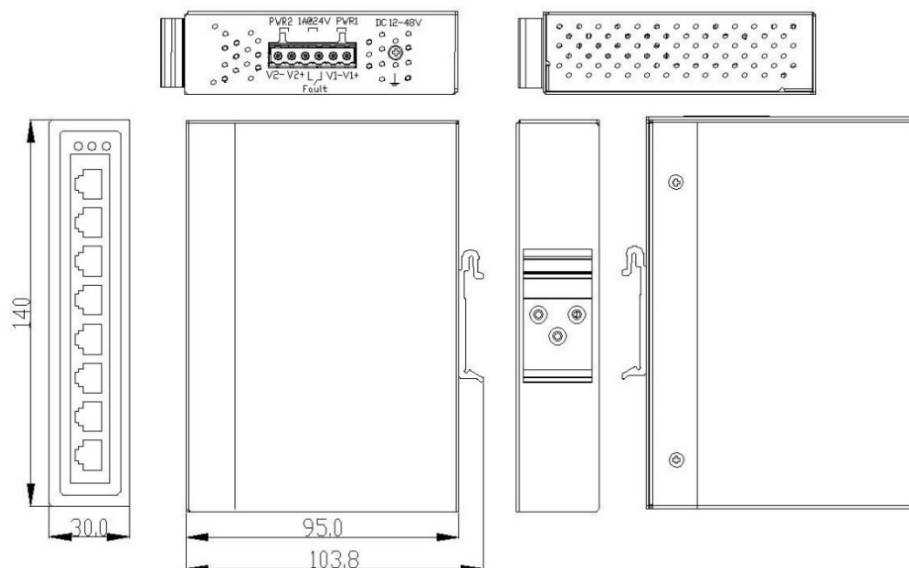► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNX-800A-T-CC 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-T-CC provide high EFT and ESD protection and the built-in relay warning function alerts maintainers when power failures or port breaks occur.

Conformal coating is a specialty film which conforms to the contours of the printed circuit board to protect the board from adverse environmental conditions. Antaira's conformal coating process meets or exceed the standards for protection against gases, dust, and water.

The LNX-800A-T-CC has 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 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, 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
Memory Buffer	448Kbits
MAC Table Size	2K

Interface

Ethernet Port	8*10/100Tx RJ45 auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
LED Indicators	Power 1, Power 2, Fault Ethernet: On-Link / Flash-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)

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 Watts

Mechanical Characteristics

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

Environmental Limits

Operating Temperature	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 61010-1, UL 61010-2-201
Corrosion Prevention	IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60 IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E ISO 9223 (Class C5-Very High, Class GX-Severe) ANSI/ISA 71.04 (Class GX-Severe)
Warranty	5 Years

ORDERING INFO

LNX-800A-T-CC	8-Port Slim Industrial Ethernet Switch, EOT: -40°~75°C, with Conformal Coating

Optional Accessories

DIN-RACK-2U	DIN-Rail to 19" Rack Mount Adapter for all DIN-Rail Mountable Products, 2U Height
DIN-RAIL-10	35mm Steel DIN-Rail Track – 10 Inches Long
MDR-10-24	10 Watt Industrial Single Output DIN-Rail Power Supply – 24 VDC / 0.42 Amp
DR-15-24	15 Watt Industrial Single Output DIN-Rail Power Supply – 24 VDC / 0.63 Amp