LNX-C800 Series

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

Features
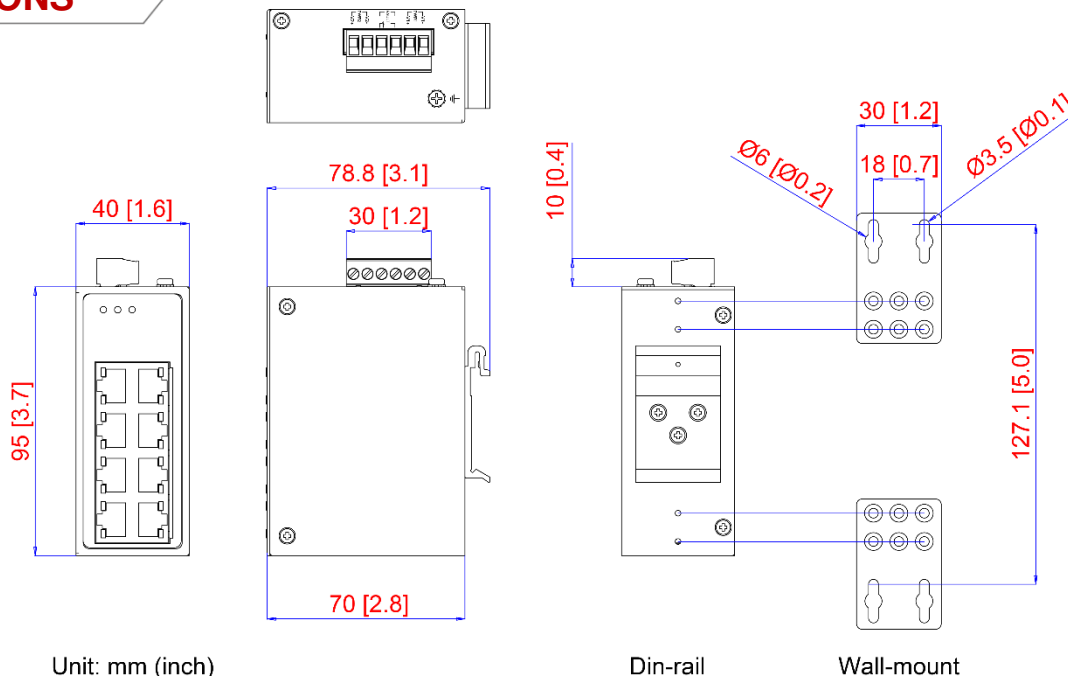
► **Compact Industrial Grade Design**
► **Supports 8-Port 10/100Tx RJ45 Fast Ethernet**
► **Supports Auto MDI/MDI-X Function**
► **Store-and-Forward Switching Architecture**
► **Redundant Power Input Design: 12~48VDC**
► **Power Polarity Reverse Protection**
► **Overload Current Protection**
► **IP30 Rugged Metal Case Design**
► **DIN-Rail and Wall Mount Support**
► **Operating Temperature Range:**
  STD: -10° to 65°C, EOT: -40° to 75°C
► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNX-C800 series is a compact 8-port industrial Ethernet switch. The small form factor of this metal IP30 rated industrial switch is 30% smaller allowing for a more versatile implementation. The LNX-C800 series is equipped with 8*10/100Tx RJ45 Ethernet ports. The industrial-grade design and compact size of the LNX-C800 series make this the ideal unit for integration into projects or other applications that need a small footprint.

The LNX-C800 series supports reverse polarity and overload current protection. This product series supports DIN-rail as well as wall-mountable orientations and provides operating temperature range models in STD: -10°C to 65°C and EOT: -40°C to 75°C. This is an industrial-grade unit applicable for networking applications in factory automation, ITS, power/utility, water wastewater treatment plants, or any application that needs a compact solution.

DIMENSIONS

40 [1.6]   78.8 [3.1]   30 [1.2]   10 [0.4]   30 [1.2]   18 [0.7]   Ø6 [Ø0.2]   Ø3.5 [Ø0.1]

95 [3.7]   70 [2.8]   127.1 [5.0]

Unit: mm (inch)   Din-rail   Wall-mount

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet

Switch Properties

Protocol	CSMA/CD
Processing Type	Store and Forward
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,800pps for 100Base-T Fast Ethernet port
Switching Fabric (Back-Plane)	1.6Gbps
Packet Buffer	448 Kbits
MAC Table Size	1K
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode

Port Interface

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

Protection

Overload Current Protection	Present (Slow-Blown Fuse)
Power Reverse Polarity	Present
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable

Mechanical Characteristics

LED Indicator	Per Unit: Power 1 & 2, and Fault
Housing	Metal IP30 rated
Dimensions	26 x 95 x 75 mm
Weight	Unit: 1.0 lbs; Shipping: 1.5 lbs
Mounting	DIN-Rail; Wall-mount (optional)

Power Requirement

Input Voltage	12~48VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Power Consumption	2.2 Watts

Environmental Limits

Operating Temperature	STD: -10° to 65° C EOT: -40° to 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 Class A
EMS	EN61000-6-2, 4 CE EN55035
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE
Compliance	NEMA TS1/TS2 (pending)
Safety	UL 61010-1, UL 61010-2-201 (pending)
Warranty	5 Years

ORDERING INFO

LNX-C800	8-Port Industrial Compact Unmanaged Ethernet Switch with 8*10/100Tx
LNX-C800-T	8-Port Industrial Compact Unmanaged Ethernet Switch with 8*10/100Tx; EOT: -40° to 75°C