LNX-C800G Series

8-Port Industrial Compact Unmanaged Ethernet Switch, with 8*10/100/1000Tx

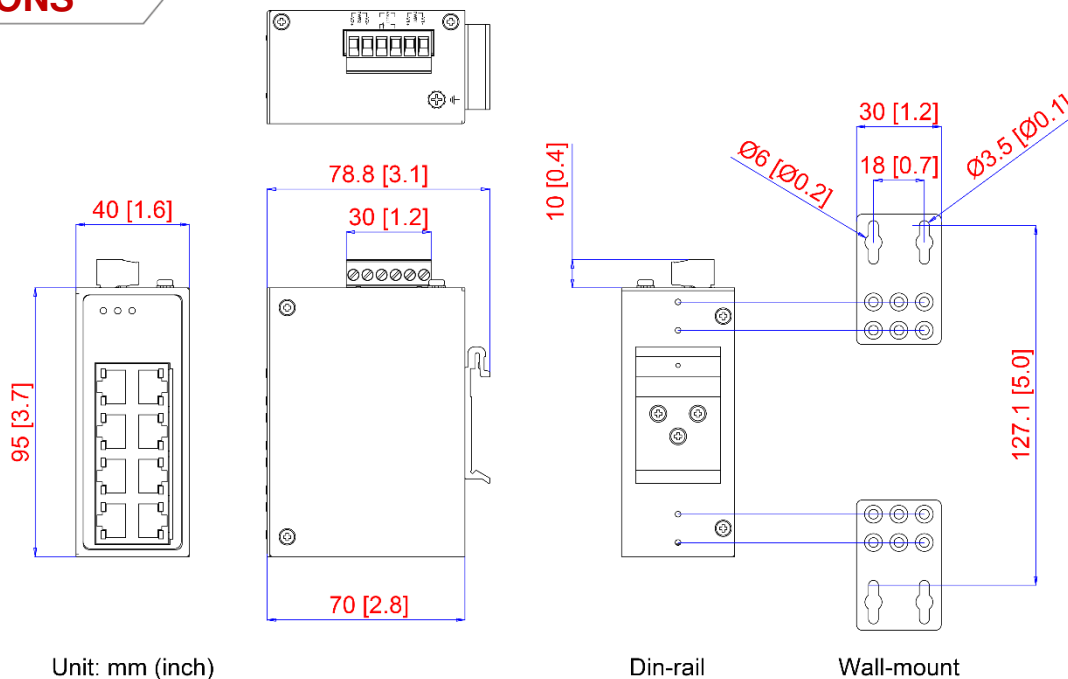## Features

- ▶ **Compact Industrial Grade Design**
- ▶ **Supports 8-Port 10/100/1000Tx 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-C800G 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-C800G series is equipped with 8*10/100/1000Tx RJ45 Ethernet ports; with a backplane speed of 16gbps. The industrial-grade design and compact size of the LNX-C800G series makes this the ideal unit for integration into projects or other applications that need a small footprint.

The LNX-C800G 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

Unit: mm (inch)

Din-rail

Wall-mount

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit 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 1,488,000pps for Gigabit Ethernet port
Switching Fabric (Back-Plane)	16Gbps
Jumbo Frame	9,216 bytes
Packet Buffer	512 Kbits
MAC Table	4K
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode

Port Interface

Ethernet RJ45 Port	8*10/100/1000BaseTx 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; 1000Base Tx: 2-Pair UTP/STP Cat 6 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	3.3 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)
Warranty	5 Years

ORDERING INFO

LNX-C800G	8-Port Industrial Compact Unmanaged Ethernet Switch with 8*10/100/1000Tx
LNX-C800G-T	8-Port Industrial Compact Unmanaged Ethernet Switch with 8*10/100/1000Tx; EOT: -40° to 75°C