LNX-C500 Series

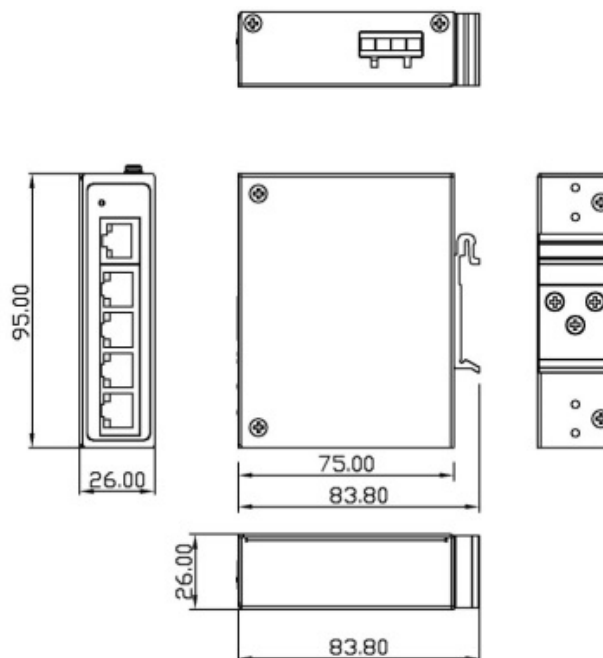**Compact 5-Port Industrial Unmanged Ethernet Switches, w/5*10/100Tx, 12~48VDC Power Input**

Features

▶ Compact Industrial Grade Design
▶ Supports 5-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 Protection
▶ IP30 Rugged Metal Case Design
▶ DIN-Rail and Wall Mount Support
▶ Operating Temperature Range:
　STD:-10° to 70°C, EOT:-40° to 75°C
▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNX-C500 series is a compact 5-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-C500 series is equipped with 5*10/100Tx RJ45 Ethernet ports; with a backplane speed of 1gbps. The industrial grade design and compact size of the LNX-C500 series makes this the ideal unit for integration into projects or other applications that need a small footprint.

The LNX-C500 series supports high EFT & ESD protection through the redundant power inputs that support 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 70°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

SPECIFICATIONS

Technology

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

Switch Properties

Protocol	CSMA/CD
Data Process	Store and forward
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,8800pps for 100Base-T Fast Ethernet port
Packet Buffer	448 Kbits
MAC Table	8K
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode

Port Interface

Ethernet RJ45 Port	5*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection

Protection

Overload Current	Present
Power Reverse Polarity	Present (the unit will not be on, if power reverse)
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
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 4-contact terminal block
Power Consumption	1.2 Watts

Environmental Limits

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

Regulatory Approvals

EMI	FCC Class A
EMS	EN61000-4-2,3,4,5,6,8
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
Compliance	NEMA TS1/TS2
Warranty	5 Years

ORDERING INFO

LNX-C500	Compact 5-Port Industrial Ethernet Switch with 5*10/100Tx
LNX-C500-T	Compact 5-Port Industrial Ethernet Switch with 5*10/100Tx; EOT -40° to 75°C

Optional Accessories

DR-15-12	15W Industrial DIN-Rail Power Supply, 12VDC
MDR-20-24	20W Industrial DIN-Rail Power Supply, 24VDC
MDR-40-48	40W Industrial DIN-Rail Power Supply, 48VDC
MDR-60-48	60W Industrial DIN-Rail Power Supply, 48VDC
DR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC