antaira®

LNX-C500G Series

Compact 5-Port Industrial Gigabit Unmanaged Ethernet Switches, w/5*10/100/1000Tx, 12~48VDC Power Input

Features
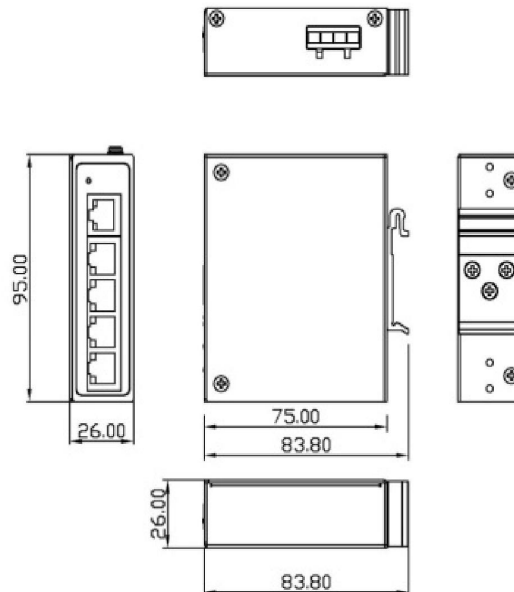
▶ Compact Industrial Grade Design
▶ Supports 5-Port 10/100/1000Tx RJ45 Gigabit Ethernet
▶ Supports Auto MDI/MDI-X Function
▶ Store-and-Forward Switching Architecture
▶ Jumbo Frame Support: 10K
▶ Surge Protection: 2,000 VDC Support
▶ ESD Protection: 6,000 VDC Support
▶ Redundant Power Input Design: 12~48VDC
▶ 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-C500G series is a compact 5-port industrial gigabit unmanaged Ethernet switch. The small form factor of this metal IP30 rated design is 30% smaller allowing for more a versatile implementation. The LNX-C500G series is equipped with 5*10/100/1000 RJ45 Ethernet ports; with a backplane speed of 10gbps. The LNX-C500G series can handle high bandwidth applications in tight spaces.

The LNX-C500G 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

95.00
26.00
75.00
83.80
26.00
83.80

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3U 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit 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 1480000pps for 1000Base-T Gigabit Ethernet
Packet Buffer	1 Mbits
MAC Table	8K
Jumbo Frame	10K bytes
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode

Port Interface

Ethernet RJ45 Port	5*10/100/1000BaseTx 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. 1000Base-Tx 4-pair UTP/STP Cat. 5/5e/6 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	6.6 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	EN6100-4-2,3,4,5,6,8
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-C500G	Compact 5-Port Industrial Gigabit Ethernet Switch with 5*10/100/1000Tx
LNX-C500G-T	Compact 5-Port Industrial Gigabit Ethernet Switch with 5*10/100/1000Tx; 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

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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