

# LNX-C500 Series

## Features

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



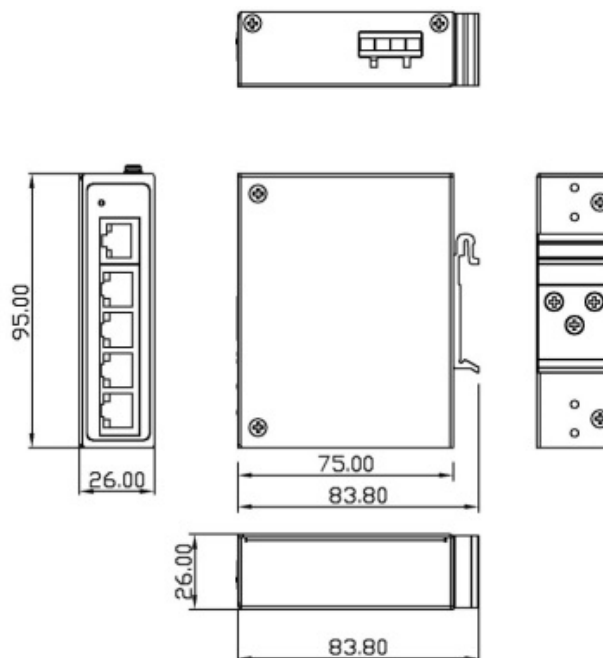
- ▶ Compact Industrial Grade Design
- ▶ Supports 5-Port 10/100Tx RJ45 Fast Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Power Polarity 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

|                               |   |                                   |  |
|-------------------------------|---|-----------------------------------|--|
| <b>Technology</b>             |   | <b>Mechanical Characteristics</b> |  |
| <b>Standards</b>              | IEEE 802.3 10Tx Ethernet<br>IEEE 802.3u 100Tx Fast Ethernet                                 | <b>LED Indicator</b>              | Per Unit: Power 1 & 2                    |
| <b>Switch Properties</b>      |   | <b>Housing</b>                    | Metal IP30 rated                         |
| <b>Protocol</b>               | CSMA/CD   | <b>Dimensions</b>                 | 26 x 95 x 75 mm                          |
| <b>Data Process</b>           | Store and forward   | <b>Weight</b>                     | Unit: 1.0 lbs; Shipping: 1.5 lbs         |
| <b>Transfer Rate</b>          | 14,880pps for 10Base-T Ethernet port<br>148,880pps for 100Base-T Fast Ethernet port         | <b>Mounting</b>                   | DIN-Rail; Wall-mount (optional)          |
| <b>Packet Buffer</b>          | 448 Kbits   | <b>Power Requirement</b>          |  |
| <b>MAC Table</b>              | 8K  | <b>Input Voltage</b>              | 12~48VDC Redundant Input                 |
| <b>Flow Control</b>           | IEEE 802.3x for full duplex mode, back pressure for half duplex mode                        | <b>Power Connection</b>           | 1 removable 4-contact terminal block     |
| <b>Port Interface</b>         |   | <b>Power Consumption</b>          | 1.2 Watts                                |
| <b>Ethernet RJ45 Port</b>     | 5*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection | <b>Environmental Limits</b>       |  |
| <b>Protection</b>             |   | <b>Operating Temperature</b>      | STD: -10° to 70° C<br>EOT: -40° to 75° C |
| <b>Overload Current</b>       | Present   | <b>Storage Temperature</b>        | -40°C ~ 85°C                             |
| <b>Power Reverse Polarity</b> | Present (the unit will not be on, if power reverse)   | <b>Ambient Relative Humidity</b>  | 5 to 95%, (non-condensing)               |
| <b>Network Cable</b>          | 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable;<br>100Base-TX: 2-pair UTP/STP Cat. 5 cable.    | <b>Regulatory Approvals</b>       |  |
|                               |   | <b>EMI</b>                        | FCC Class A                              |
|                               |   | <b>EMS</b>                        | EN61000-4-2,3,4,5,6,8                    |
|                               |   | <b>Free Fall</b>                  | IEC60068-2-32                            |
|                               |   | <b>Shock</b>                      | IEC60068-2-27                            |
|                               |   | <b>Vibration</b>                  | IEC60068-2-6                             |
|                               |   | <b>Green</b>                      | RoHS Compliant                           |
|                               |   | <b>Certifications</b>             | FCC, CE,<br>UL 61010-1, UL 61010-2-201   |
|                               |   | <b>Compliance</b>                 | NEMA TS1/TS2                             |
|                               |   | <b>Warranty</b>                   | 5 Years                                  |

## ORDERING INFO

|                             |   |
|-----------------------------|---|
| <b>LNX-C500</b>             | Compact 5-Port Industrial Ethernet Switch with 5*10/100Tx                   |
| <b>LNX-C500-T</b>           | Compact 5-Port Industrial Ethernet Switch with 5*10/100Tx; EOT -40° to 75°C |
| <b>Optional Accessories</b> |   |
| <b>DR-15-12</b>             | 15W Industrial DIN-Rail Power Supply, 12VDC                                 |
| <b>MDR-20-24</b>            | 20W Industrial DIN-Rail Power Supply, 24VDC                                 |
| <b>MDR-40-48</b>            | 40W Industrial DIN-Rail Power Supply, 48VDC                                 |
| <b>MDR-60-48</b>            | 60W Industrial DIN-Rail Power Supply, 48VDC                                 |
| <b>DR-75-48</b>             | 75W Industrial DIN-Rail Power Supply, 48VDC                                 |