

# LNx-0501 Series

5-Port Industrial Unmanaged Ethernet Switch, with 4\*10/100Tx and 1\*100Fx, 12~48VDC Power Input



## Features

- ▶ Network Broadcast Storm Protection
- ▶ 4-Port 10/100Tx Fast Ethernet
- ▶ 1-Port 100Fx SC/ST Type Connector (Multi / Single Mode)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design – 12~48VDC
- ▶ Built-in 1 Relay Output for Port Break Alarm
- ▶ 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

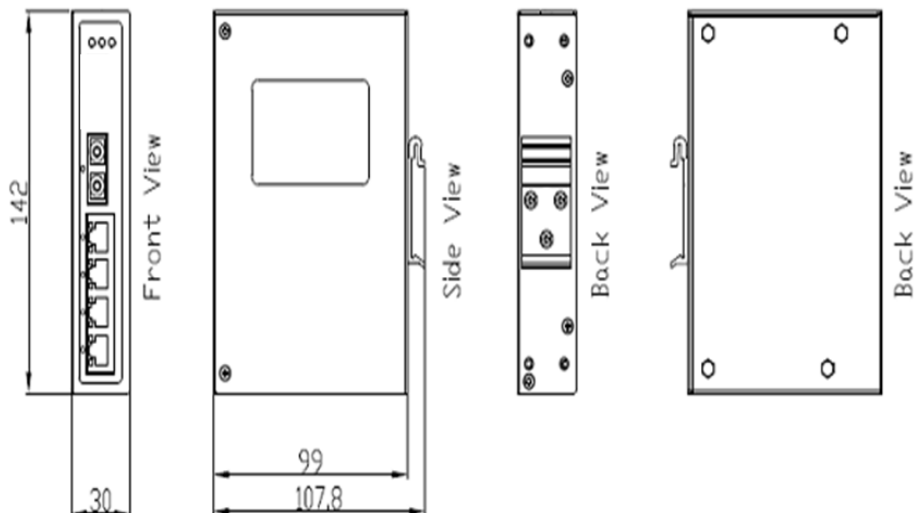
## INTRODUCTION

Antaira Technologies' LNx-0501 series switches are smart 5-port Industrial Unmanaged Ethernet Switches supporting 4-Port 10/100Tx Fast Ethernet and 1-Port 100Fx of SC or ST type connector and support Multi-mode in 2Km, or Single-mode in 30Km.

The LNx-0501 series switches support 12~48VDC power inputs. This series of switches offer an Extended Operating Temperature model (w/-T) which supports -40°C ~ 75°C. It supports IEEE 802.3/802.3u/802.3x with 10/100BTx, full or half duplex, MDI/MDI-X auto sensing to provide an economical solution for the Industrial Ethernet Network.

In addition, the Network Broadcast Storm Protection and built-in relay warning function alerts network engineers when power failures or port breaks occur.

## DIMENSIONS



## SPECIFICATIONS

| Technology                         |  |
|------------------------------------|--|
| <b>Standards</b>                   | IEEE 802.3 10BaseT Ethernet<br>IEEE 802.3u 100BaseTX Fast Ethernet<br>IEEE 802.3x Flow Control and Back-Pressure     |
| <b>Processing Type</b>             | Store-and-Forward  |
| <b>Protocol</b>                    | CSMA/CD  |
| <b>Flow Control</b>                | IEEE 802.3x flow control, back pressure flow control   |
| Switch Properties                  |  |
| <b>Switch Architecture</b>         | Back-Plane (Switching Fabric): 1.0Gbps<br>Packet Throughput Ability (Full-Duplex):<br>1.488Mpps @ 64bytes            |
| <b>Transfer Rate</b>               | 14,880pps for Ethernet Port<br>148,800pps for Fast Ethernet Port   |
| <b>MAC Table Size</b>              | 2K   |
| Interface                          |  |
| <b>Ethernet Port</b>               | 10/100BaseT(X) auto negotiation speed,<br>Full/Half duplex mode, and auto MDI/MDI-X<br>connection<br>4*10/100Tx      |
| <b>Fiber Port</b>                  | 1*100Fx SC/ST type connector<br>Multi-mode (2Km) - 50/125um ~ 62.5/125um,<br>Single-mode (30Km) - 9/125um ~ 10/125um |
| <b>Fiber Wavelength</b>            | 1310nm (Multi-Mode and Single-Mode)  |
| Power Requirement                  |  |
| <b>Input Voltage</b>               | 12~48VDC, Redundant Input  |
| <b>Power Connection</b>            | 1 removable 6-contact terminal block   |
| <b>Reverse Polarity Protection</b> | Yes  |
| <b>Overload Current Protection</b> | Slow-Blown Fuse  |
| <b>Power Consumption</b>           | 6.5 Watts  |

| Mechanical Characteristics       |  |
|----------------------------------|--|
| <b>Housing</b>                   | Metal, IP30 protection                 |
| <b>Dimensions</b>                | 30 x 142 x 99 mm                       |
| <b>Weight</b>                    | Unit: 1.1 lbs.<br>Shipping: 1.45 lbs.  |
| <b>Mounting</b>                  | DIN-Rail, Wall mounting (optional)     |
| Environmental Limits             |  |
| <b>Operating Temperature</b>     | STD: -10° to 70°C<br>EOT: -40° to 75°C |
| <b>Storage Temperature</b>       | -40°C ~ 85°C                           |
| <b>Ambient Relative Humidity</b> | 5 to 95%, (non-condensing)             |
| Regulatory Approvals             |  |
| <b>EMI</b>                       | FCC Class A                            |
| <b>EMS</b>                       | EN61000-4-2,3,4,5,6,8<br>EN61000-6-2,4 |
| <b>Free Fall Shock</b>           | IEC60068-2-32<br>IEC60068-2-27         |
| <b>Vibration</b>                 | IEC60068-2-6                           |
| <b>Green</b>                     | RoHS Compliant                         |
| <b>Certifications</b>            | FCC, CE, UL 508, UL Class 1 Division 2 |
| <b>Warranty</b>                  | 5 Years                                |

## ORDERING INFO

| <b>LNX-0501-M</b>       | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), SC Connector                         |
|-------------------------|---|
| <b>LNX-0501-M-T</b>     | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), SC Connector;<br>EOT: -40° to 75°C   |
| <b>LNX-0501-ST-M</b>    | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), ST Connector                         |
| <b>LNX-0501-ST-M-T</b>  | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), ST Connector;<br>EOT: -40° to 75°C   |
| <b>LNX-0501-S3</b>      | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), SC Connector                       |
| <b>LNX-0501-S3-T</b>    | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), SC Connector;<br>EOT: -40° to 75°C |
| <b>LNX-0501-ST-S3</b>   | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), ST Connector                       |
| <b>LNX-0501-ST-S3-T</b> | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), ST Connector;<br>EOT: -40° to 75°C |
| Optional Accessories    |   |
| <b>DR-45-24</b>         | 45W Industrial DIN-Rail Power Supply  |

## Assured Systems

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### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660