

# 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

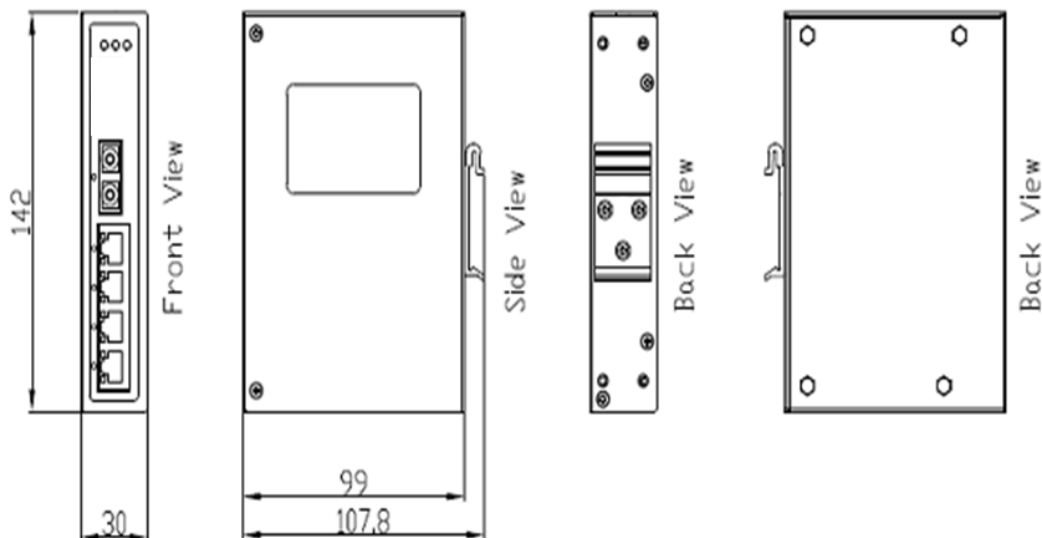
## INTRODUCTION

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

| Mechanical Characteristics |                                        |
|----------------------------|----------------------------------------|
| Housing                    | Metal, IP30 protection                 |
| Dimensions                 | 30 x 142 x 99 mm                       |
| Weight                     | Unit: 1.1 lbs.<br>Shipping: 1.45 lbs.  |
| Mounting                   | DIN-Rail, Wall mounting (optional)     |
| Environmental Limits       |                                        |
| Operating Temperature      | STD: -10° to 70°C<br>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<br>EN61000-6-2,4 |
| Free Fall                  | IEC60068-2-32                          |
| Shock                      | IEC60068-2-27                          |
| Vibration                  | IEC60068-2-6                           |
| Green                      | RoHS Compliant                         |
| Certifications             | FCC, CE, UL 508, UL Class 1 Division 2 |
| Warranty                   | 5 Years                                |

## ORDERING INFO

| LNX-0501-M           | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), SC Connector                         |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| LNX-0501-M-T         | 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   |
| LNX-0501-ST-M        | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), ST Connector                         |
| LNX-0501-ST-M-T      | 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   |
| LNX-0501-S3          | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), SC Connector                       |
| LNX-0501-S3-T        | 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 |
| LNX-0501-ST-S3       | 5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), ST Connector                       |
| LNX-0501-ST-S3-T     | 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 |                                                                                                                                       |
| DR-45-24             | 45W Industrial DIN-Rail Power Supply                                                                                                  |