

# LNx-0501G-SFP Series

5-Port Industrial Unmanaged Ethernet Switch, with 4\*10/100/1000Tx and 1\*100/1000 SFP Slot



## Features

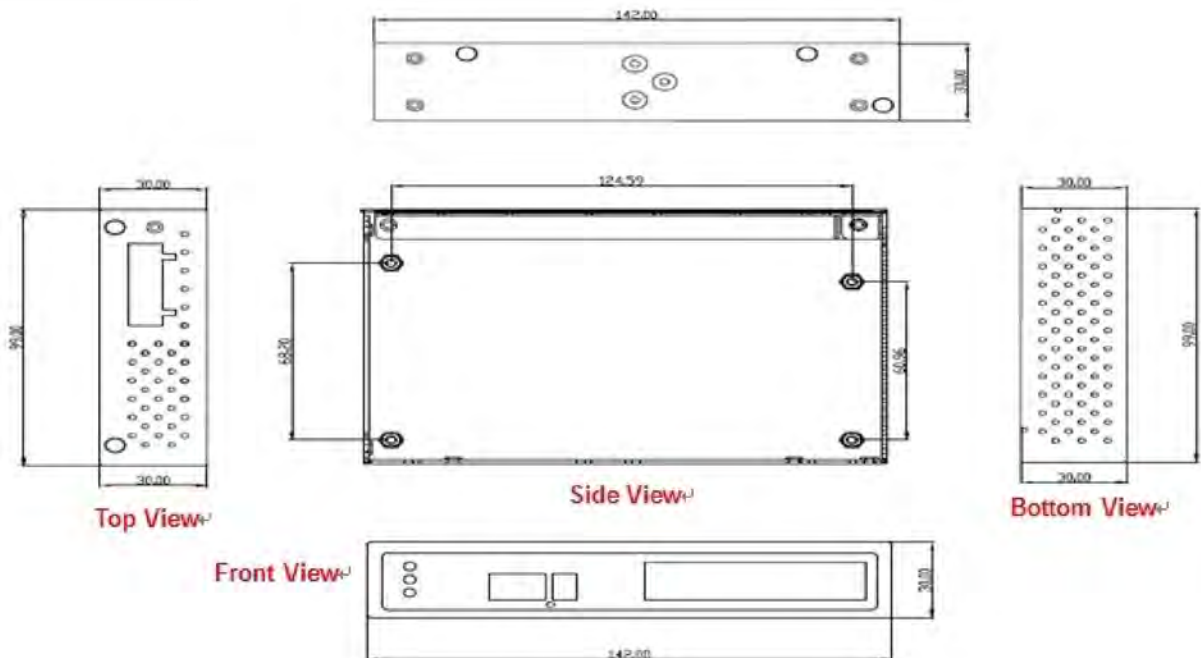
- ▶ Supports 4-Port 10/100/1000Tx and 1\*100/1000 Dual Rate SFP Slot (for fiber)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 8K MAC Address Table
- ▶ Jumbo Frame 9.6Kbytes Support
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ IEEE 802.3az Energy Efficient Ethernet Support
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ 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' LN<sub>x</sub>-0501G-SFP series industrial Gigabit unmanaged Ethernet switch series is IP30 rated and DIN-Rail mountable with 4\*10/100/1000Tx + 1\*100/1000 SFP slot for fiber, making it ideal for applications that demand high bandwidth and long-distance communication. Plus, it is designed with IEEE 802.3az that supports energy efficient Ethernet to help reduce power consumption by 50% or more.

This series provides a high EFT and ESD protection that has a dual power input having a reverse power polarity protection. In addition, the built-in relay warning function alerts maintainers when power failures occur. There is a wide operating temperature model that supports -40° to 75°C. The LN<sub>x</sub>-0501G-SFP series is an ideal solution for harsh outdoor weather environments and industrial applications.

## DIMENSIONS



## SPECIFICATIONS

| Technology                 |                                                                                                            | Power Requirement           |                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------|
| Standards                  | IEEE 802.3 10BaseTx Ethernet                                                                               | Input Voltage               | 12~48VDC, Redundant Input                                                |
|                            | IEEE 802.3u 100BaseTx Fast Ethernet                                                                        | Power Connection            | 1 removable 6-contact terminal block                                     |
|                            | IEEE 802.3ab 1000BaseTx Gigabit Ethernet                                                                   | Reverse Polarity Protection | Present                                                                  |
|                            | IEEE 802.3z Gigabit Fiber                                                                                  | Overload Current Protection | Present                                                                  |
|                            | IEEE 802.3az Energy Efficient Ethernet                                                                     | Power Consumption           | 5 Watts                                                                  |
| Processing Type            | Store-and-Forward                                                                                          | Environmental Limits        |                                                                          |
| Protocol                   | CSMA/CD                                                                                                    | Operating Temperature       | STD: -10° to 70°C<br>EOT: -40° to 75°C                                   |
| Flow Control               | IEEE 802.3x back pressure flow control                                                                     | Storage Temperature         | -40°~85°C                                                                |
| Switch Properties          |                                                                                                            | Ambient Relative Humidity   | 5 to 95%, (Non-condensing)                                               |
| Transfer Rate              | 14,880pps for Ethernet Port<br>148,800pps for Fast Ethernet Port<br>1,488,000pps for Gigabit Ethernet Port | Regulatory Approvals        |                                                                          |
| Memory Buffer              | 4Mbps (default)                                                                                            | EMI                         | FCC Class A                                                              |
| Jumbo Frame                | 9.6K                                                                                                       | EMS                         | EN61000-4-2,3,4,5,6,8<br>EN61000-6-2,4                                   |
| MAC Table Size             | 8K                                                                                                         | Free Fall                   | IEC60068-2-32                                                            |
| Interface                  |                                                                                                            | Shock                       | IEC60068-2-27                                                            |
| Ethernet Port              | 4*RJ45 Ports w/10/100/1000Tx                                                                               | Vibration                   | IEC60068-2-6                                                             |
| Fiber Port                 | 1*100/1000 SFP Slot                                                                                        | Green                       | RoHS Compliant                                                           |
| Network Cable              | 10Base Tx: 2-pair UTP/STP Cat. 3,4,5                                                                       | Certifications              | FCC, CE, UL 61010-1, 61010-2-201,<br>UL Class 1 Division 2, ISA 12.12.01 |
|                            | 100Base Tx: 2-pair UTP/STP Cat. 5 1000Base Tx: 2-pair UTP/STP Cat. 5/5E                                    | Warranty                    | 5 Years                                                                  |
| Mechanical Characteristics |                                                                                                            |                             |                                                                          |
| Housing                    | Metal, IP30 protection                                                                                     |                             |                                                                          |
| Dimensions                 | 30 x 99 x 142 mm                                                                                           |                             |                                                                          |
| Weight                     | Unit: 1.0 lb<br>Shipping: 1.5 lbs                                                                          |                             |                                                                          |
| Mounting                   | DIN-Rail, Wall mounting (Optional)                                                                         |                             |                                                                          |

## ORDERING INFO

| LNX-0501G-SFP        | 5-Port Industrial Gigabit Unmanaged Ethernet Switch, w/4*10/100/1000Tx + 1*100/1000 SFP Slot                    |
|----------------------|-----------------------------------------------------------------------------------------------------------------|
| LNX-0501G-SFP-T      | 5-Port Industrial Gigabit Unmanaged Ethernet Switch, w/4*10/100/1000Tx + 1*100/1000 SFP Slot, EOT: -40° to 75°C |
| Optional Accessories |                                                                                                                 |
| DR-15-24             | 15W Industrial DIN-Rail Power Supply, 24VDC                                                                     |
| DR-45-24             | 45W Industrial DIN-Rail Power Supply, 24VDC                                                                     |
| MDR-60-48            | 60W Industrial DIN-Rail Power Supply, 48VDC                                                                     |
| DR-75-48             | 75W Industrial DIN-Rail Power Supply, 48VDC                                                                     |