

# LNx-1002G-SFP Series

10-Port Industrial Gigabit Unmanaged Ethernet Switch - 8\*10/100/1000Tx, and 2\*100/1000 SFP Slots



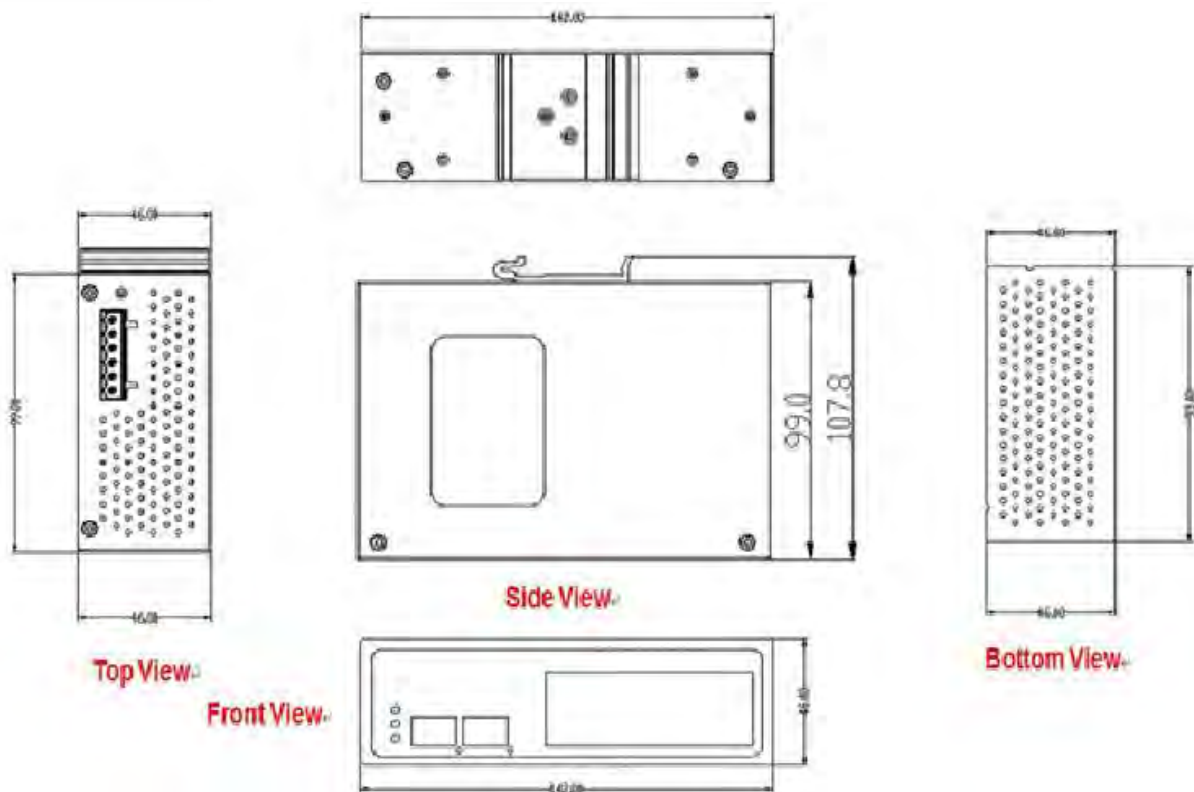
## Features

- ▶ Supports 8-Port 10/100/1000Tx and 2\*100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 10Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~48VDC
- ▶ Built-in 1 Relay Output for Power Failure Design
- ▶ 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-1002G-SFP series industrial gigabit unmanaged Ethernet switch features 8\*10/100/1000Tx ports, and two dual rate 100/1000Fx SFP slots. This product series provides high EFT and ESD protection to protect against unregulated voltage. It also provides wide operation temperature models for standard: -10° to 70°C and extended: -40° to 75°C. The LNX-1002G-SFP series is an ideal solution for harsh environments and industrial applications.

## DIMENSIONS



## SPECIFICATIONS

| Technology                  |                                        | Mechanical Characteristics |                                                                                |
|-----------------------------|----------------------------------------|----------------------------|--------------------------------------------------------------------------------|
| Standards                   | IEEE 802.3 10BaseTx Ethernet           | Housing                    | Metal, IP30 protection                                                         |
|                             | IEEE 802.3u 100BaseTx Fast Ethernet    | Dimensions                 | 46 x 99 x 142 mm (W*D*H)                                                       |
|                             | IEEE 802.3ab 1000BaseTx                | Weight                     | Unit: 1.5lbs.<br>Shipping Weight: 2.0 lbs.                                     |
|                             | IEEE 802.3z Gigabit Fiber              | Mounting                   | DIN-Rail, Wall mounting (optional)                                             |
| 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°C ~ 85°C                                                                   |
| Switch Properties           |                                        | Ambient Relative Humidity  | 5 to 95%, (non-condensing)                                                     |
| Switch Architecture         | Back-Plane (Switching Fabric): 10Gbps  | Regulatory Approvals       |                                                                                |
| Transfer Rate               | 14,880pps for Ethernet Port            | EMI                        | FCC Class A                                                                    |
|                             | 148,800pps for Fast Ethernet Port      | EMS                        | EN61000-4-2,3,4,5,6,8,11,12<br>EN61000-6-2,4                                   |
|                             | 1,488,000pps for Gigabit Ethernet Port | Free Fall                  | IEC60068-2-32                                                                  |
| Jumbo Frame                 | 9.6Kbytes                              | Shock                      | IEC60068-2-27                                                                  |
| MAC Table Size              | 8K                                     | Vibration                  | IEC60068-2-6                                                                   |
| Interface                   |                                        | Green                      | RoHS Compliant                                                                 |
| Ethernet Port               | 8*RJ45 Ports w/10/100/1000Tx           | Certifications             | FCC, CE, UL 61010-1,<br>UL 61010-2-201,<br>UL Class 1 Division 2, ISA 12.12.01 |
| Fiber Port                  | 2*100/1000 SFP Slot                    |                            |                                                                                |
| Network Cable               | 10Base Tx: 2-pair UTP/STP Cat. 3,4,5   |                            |                                                                                |
|                             | 100Base Tx: 2-pair UTP/STP Cat. 5      | Warranty                   | 5 Years                                                                        |
|                             | 1000Base Tx: 2-pair UTP/STP Cat. 5/5E  |                            |                                                                                |
| Power Requirements          |                                        |                            |                                                                                |
| Input Voltage               | 12~48VDC, Redundant Input              |                            |                                                                                |
| Overload Current Protection | Present                                |                            |                                                                                |
| Connection                  | 1 removable 6-contact terminal block   |                            |                                                                                |
| Reverse Polarity Protection | Yes                                    |                            |                                                                                |
| Power Consumption           | 10 Watts                               |                            |                                                                                |

## ORDERING INFO

| LNx-1002G-SFP        | 10-Port Industrial Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx, and 2*100/1000 SFP Slot                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------|
| LNx-1002G-SFP-T      | 10-Port Industrial Gigabit Unmanaged Ethernet Switch, w/ 8*10/100/1000Tx, and 2*100/1000 SFP Slot;<br>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                                                                             |