

## LNx-1202G-SFP Series

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



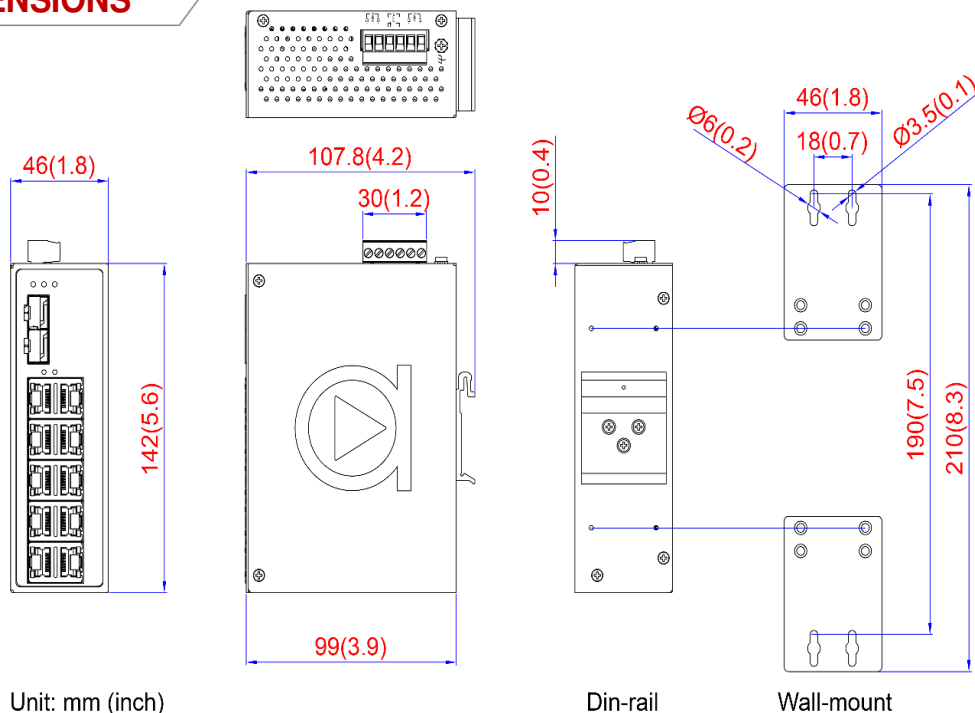
### Features

- ▶ Supports 10\*10/100/1000Tx and 2\*100/1000 SFP Slot
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 24Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame 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' LNx-1202G-SFP Series industrial gigabit unmanaged Ethernet switch features 10\*10/100/1000Tx ports and 2\* dual rate 100/1000 SFP slots. This product series provides high EFT and ESD protection to protect against unregulated voltage. There are also two wide-operating temperature models for either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 75°C), making it an ideal solution for harsh environments and industrial applications.

### DIMENSIONS



## SPECIFICATIONS

| Technology          |                                                                                                             | Mechanical Characteristics        |                                                                          |
|---------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------|
| Standards           | IEEE 802.3 10Tx Ethernet                                                                                    | Housing                           | Metal, IP30 protection                                                   |
|                     | IEEE 802.3u 100Tx Fast Ethernet                                                                             | Dimension                         | 46 x 142 x 99 mm                                                         |
|                     | IEEE 802.3ab 1000Tx Gigabit Ethernet                                                                        | Weight                            | Unit: 1.6 lbs.; Shipping: 2.0 lbs.                                       |
|                     | IEEE 802.3z Gigabit Fiber                                                                                   | Mounting                          | DIN-Rail mounting, Wall mounting                                         |
| Processing Type     | Store and Forward                                                                                           | Power Requirement                 |                                                                          |
| Protocol            | CSMA/CD                                                                                                     | Input Voltage                     | 12~48VDC Redundant Input                                                 |
| Flow Control        | IEEE 802.3x back pressure flow control                                                                      | Power Connection                  | 1 removable 6-contact terminal block                                     |
| Switch Properties   |                                                                                                             | Relay Contact                     | 24 VDC, 1A resistive                                                     |
| Switch Architecture | Back-Plane (Switching Fabric): 24Gbps                                                                       | Overload Current Protection       | Present                                                                  |
| Transfer Rate       | 14,880pps for Ethernet Port                                                                                 | Power Reverse Polarity Protection | Present                                                                  |
|                     | 148,800pps for Fast Ethernet Port                                                                           | System Power Consumption          | 12W                                                                      |
|                     | 1,488,000pps for Gigabit Ethernet Port                                                                      | Environmental Limits              |                                                                          |
| Memory Buffer       | 4Mbits                                                                                                      | Operating Temperature             | STD: -10° to 70°C<br>EOT: -40° to 75°C                                   |
| Jumbo Frame         | 9.6Kbytes                                                                                                   | Storage Temperature               | -40°C ~ 85°C                                                             |
| MAC Table Size      | 8K                                                                                                          | Ambient Relative Humidity         | 5 to 95%, (non-condensing)                                               |
| Port Interface      |                                                                                                             | Regulatory Approvals              |                                                                          |
| Ethernet Port       | 10*10/100/1000Tx RJ45 Ports<br>Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection | EMI                               | FCC Part 15 Subpart B Class A,<br>CE EN55032/EN61000-6-4 Class A         |
| SFP Port            | 2*100/1000 SFP Slot                                                                                         | EMS                               | CE EN55024/EN61000-6-2,<br>IEC61000-4-2,3,4,5,6,8                        |
| LED Indicators      | System: Power 1, Power 2, Fault<br>Ethernet ports: On-Link/Flash-data transmitting<br>SFP: Link/Active      | Free Fall                         | IEC60068-2-32                                                            |
|                     |                                                                                                             | Shock                             | IEC60068-2-27                                                            |
| Network Cable       | 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)                                      | Vibration                         | IEC60068-2-6                                                             |
|                     | 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)                                          | Green                             | RoHS Compliant                                                           |
|                     | 1000BaseTX: 4-pair UTP/STP Cat.5/5E cable EIA/TIA-568 100-ohm (100m)                                        | Certifications                    | FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01 |
|                     |                                                                                                             | Warranty                          | 5 Years                                                                  |

## ORDERING INFO

|                 |                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
| LNX-1202G-SFP   | 12-Port Industrial Gigabit Unmanaged Ethernet Switch, with 10*10/100/1000Tx and 2*100/1000 SFP Slots                   |
| LNX-1202G-SFP-T | 12-Port Industrial Gigabit Unmanaged Ethernet Switch, with 10*10/100/1000Tx and 2*100/1000 SFP Slots; EOT: -40 to 75°C |

## Assured Systems

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