

## LNP-1202G-SFP Series

12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8\*10/100/1000Tx (30W/Port), 2\*10/100/1000Tx, and 2\*100/1000 SFP Slots



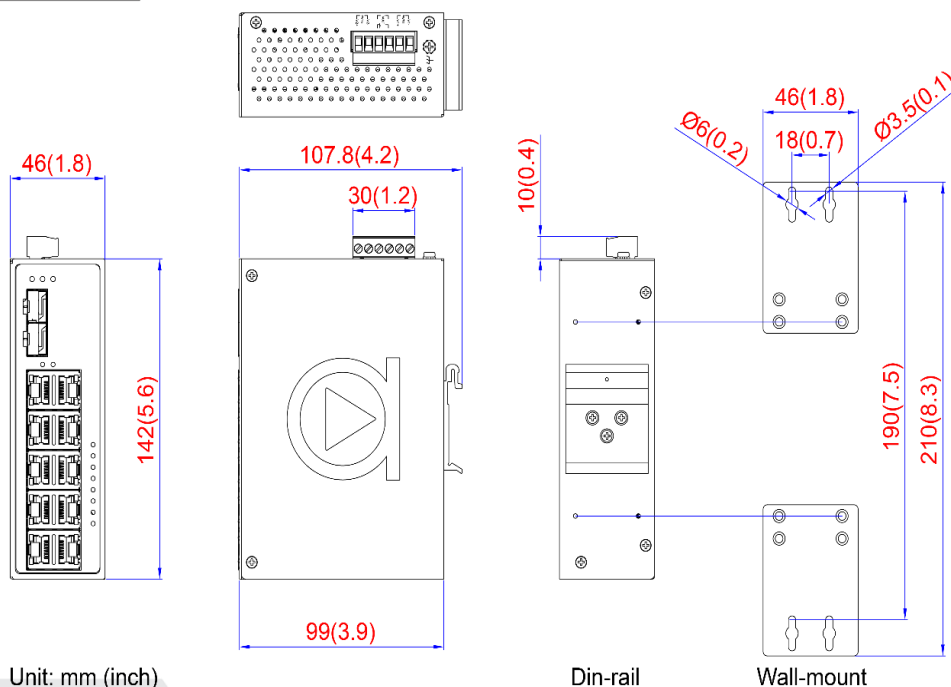
### Features

- ▶ Supports 8\*10/100/1000Tx IEEE 802.3at PoE+ Compliant (30W/Port), 2\*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: 48~55VDC
- ▶ 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' LNP-1202G-SFP Series industrial PoE/PoE+ gigabit unmanaged Ethernet switch features 10\*10/100/1000Tx ports with 8\* IEEE 802.3at high power PoE (30W/Port), 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: 1.77 lbs.; Shipping: 2.17 lbs.                                     |
|                                 | IEEE 802.3z Gigabit Fiber                                                    | Mounting                          | DIN-Rail mounting, Wall mounting                                         |
|                                 | IEEE 802.3af/at Power over Ethernet                                          | Power Requirement                 |                                                                          |
| Processing Type                 | Store and Forward                                                            | Input Voltage                     | 48~55VDC Redundant Input                                                 |
| Protocol                        | CSMA/CD                                                                      | Power Connection                  | 1 removable 6-contact terminal block                                     |
| Flow Control                    | IEEE 802.3x back pressure flow control                                       | Relay Contact                     | 24 VDC, 1A resistive                                                     |
| Switch Properties               |                                                                              | Overload Current Protection       | Present                                                                  |
| Switch Architecture             | Back-Plane (Switching Fabric): 24Gbps                                        | Power Reverse Polarity Protection | Present                                                                  |
| Transfer Rate                   | 14,880pps for Ethernet Port                                                  | System Power Consumption          | 12W                                                                      |
|                                 | 148,800pps for Fast Ethernet Port                                            | Max PoE Power Budget              | 200W@48VDC, 240W@55VDC                                                   |
|                                 | 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*10/100Tx RJ45 Ports with 8* IEEE 802.3at PoE+ (30W/Port)                  | EMI                               | FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A            |
|                                 | Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection | EMS                               | CE EN55024/EN61000-6-2, IEC61000-4-2,3,4,5,6,8                           |
| SFP Port                        | 2*100/1000 SFP Slot                                                          | Free Fall                         | IEC60068-2-32                                                            |
| PoE Pin Out                     | V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)                        | Shock                             | IEC60068-2-27                                                            |
| LED Indicators                  | System: Power 1, Power 2, Fault                                              | Vibration                         | IEC60068-2-6                                                             |
|                                 | Ethernet ports: On-Link/Flash-data transmitting                              | Green                             | RoHS Compliant                                                           |
|                                 | SFP: Link/Active                                                             | Certifications                    | FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01 |
| PoE: On-connected to PD devices | Warranty                                                                     |                                   | 5 Years                                                                  |
| Network Cable                   | 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)       |                                   |                                                                          |
|                                 | 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)           |                                   |                                                                          |
|                                 | 1000BaseTX: 4-pair UTP/STP Cat.5/5E cable EIA/TIA-568 100-ohm (100m)         |                                   |                                                                          |

## ORDERING INFO

|                 |                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| LNP-1202G-SFP   | 12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 2*10/100/1000Tx, and 2*100/1000 SFP Slots                    |
| LNP-1202G-SFP-T | 12-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 2*10/100/1000Tx, and 2*100/1000 SFP Slots ; EOT: -40 to 75°C |

## 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