

## LNP-0702G-SFP Series

7-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 4\*10/100/1000Tx (30W/Port), 1\*10/100/1000Tx, and 2\*100/1000 SFP Slots



### Features

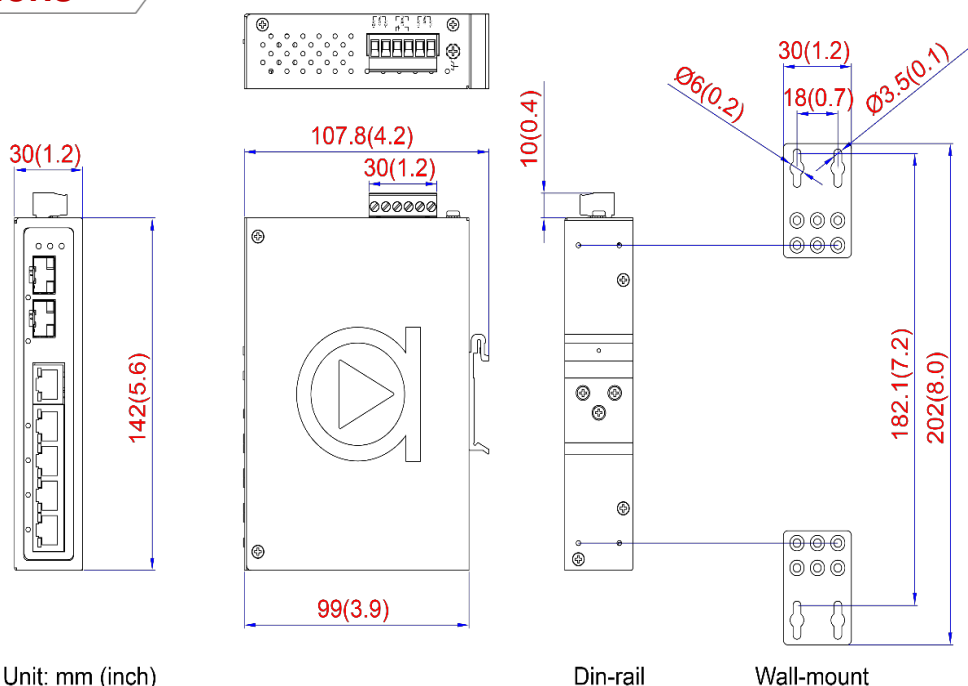
- ▶ Supports 4\*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port, 1\*10/100/1000Tx Ethernet Port, and 2\*100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 14Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame 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°C to 70°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty

### INTRODUCTION

**Antaira Technologies' LNP-0702G-SFP series** is a 7-port industrial gigabit PoE+ unmanaged Ethernet switch embedded with 4\*10/100/1000Tx Ethernet ports that support IEEE 802.3af/at for a maximum of 30W/port, 1\*10/100/1000Tx Ethernet port, and 2\*100/1000 dual rate SFP slots for fiber connection.

The LNP-0702G-SFP series has been specifically designed for rugged and harsh environmental deployments. This product series is housed in a hardened IP30 rated metal enclosure that includes DIN-rail and wall mounting hardware. There are 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).

### DIMENSIONS



## SPECIFICATIONS

| Technology          |                                                                                                                                                                                                                            | Mechanical Characteristics  |                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------|
| Standards           | IEEE 802.3 10BaseT Ethernet                                                                                                                                                                                                | Housing                     | Metal, IP30 rated                                                        |
|                     | IEEE 802.3u 100BaseTx Fast Ethernet                                                                                                                                                                                        | Dimension                   | 30 x 142 x 99 mm (W x H x D)                                             |
|                     | IEEE 802.3ab 1000BaseTx Gigabit Ethernet                                                                                                                                                                                   | Weight                      | Unit: 1.28 lbs; Shipping: 1.62 lbs                                       |
|                     | IEEE 802.3z Gigabit Fiber                                                                                                                                                                                                  | Mounting                    | DIN-Rail mounting, Wall mounting                                         |
|                     | IEEE 802.3af/at Power over Ethernet                                                                                                                                                                                        | Power Requirement           |                                                                          |
| Switch Properties   |                                                                                                                                                                                                                            | Input Voltage               | 48~55VDC Redundant Input                                                 |
| Switch Architecture | Switching Fabric (Back-Plane): 14Gbps                                                                                                                                                                                      | Power Connection            | 1 removable 6-contact terminal block                                     |
| Processing Type     | Store and Forward                                                                                                                                                                                                          | Overload Current Protection | Present (Slow-Blown Fuse)                                                |
| Flow Control        | IEEE 802.3x flow control, back pressure flow control                                                                                                                                                                       | Reverse Polarity Protection | Present                                                                  |
| Protocol            | CSMA/CD                                                                                                                                                                                                                    | System Power Consumption    | 9W                                                                       |
| Transfer Rate       | 14,880pps for Ethernet<br>148,800pps for Fast Ethernet<br>1,488,000pps for Gigabit Ethernet                                                                                                                                | PoE Power Budget            | 100W@48VDC<br>120W@55VDC                                                 |
| MAC Table Size      | 8K                                                                                                                                                                                                                         | Relay Contact               | 24VDC, 1A resistive                                                      |
| Jumbo Frame         | 9.6Kbytes                                                                                                                                                                                                                  | Environmental Limits        |                                                                          |
| Memory Buffer       | 4Mbits                                                                                                                                                                                                                     | Operating Temperature       | STD: -10°C to 70°C<br>EOT: -40°C to 75°C                                 |
| Port Interface      |                                                                                                                                                                                                                            | Storage Temperature         | -40°C ~ 85°C                                                             |
| Ethernet Port       | 5*10/100/1000BaseTx with 4*PoE+ (PSE: 30W/Port)<br>Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection                                                                                            | Ambient Relative Humidity   | 5 to 95%, (non-condensing)                                               |
| SFP Port            | 2*100/1000 SFP Slots                                                                                                                                                                                                       | Regulatory Approvals        |                                                                          |
| PoE Pin Out         | V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)                                                                                                                                                            | EMI                         | FCC Part 15 Subpart B Class A, CE EN55022/EN61000-6-4 Class A            |
| LED Indicators      | System: Power 1, Power 2, Fault<br>Ethernet ports: Speed/Link/Active<br>SFP: Link/Active<br>PoE: On-connected to PD devices                                                                                                | EMS                         | CE EN55024/EN61000-6-2: EN61000-4-2,3,4,5,6,8                            |
| Network Cable       | 10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable<br>EIA/TIA-568 100-ohm (100m)<br>100BaseTX: 2-pair UTP/STP Cat. 5 cable<br>EIA/TIA-568 100-ohm (100m)<br>1000BaseTX: 4-pair UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m) | Free Fall                   | IEC60068-2-32                                                            |
|                     |                                                                                                                                                                                                                            | Shock                       | IEC60068-2-27                                                            |
|                     |                                                                                                                                                                                                                            | Vibration                   | IEC60068-2-6                                                             |
|                     |                                                                                                                                                                                                                            | Green                       | RoHS Compliant                                                           |
|                     |                                                                                                                                                                                                                            | Certifications              | FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01 |
|                     |                                                                                                                                                                                                                            | Warranty                    | 5 Years                                                                  |

## ORDERING INFO

|                 |                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| LNP-0702G-SFP   | 7-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx, and 2*100/1000 SFP Slots                     |
| LNP-0702G-SFP-T | 7-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx, and 2*100/1000 SFP Slots; EOT: -40°C to 75°C |

## Assured Systems

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