

# LNP-0702C-SFP Series

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



## Features

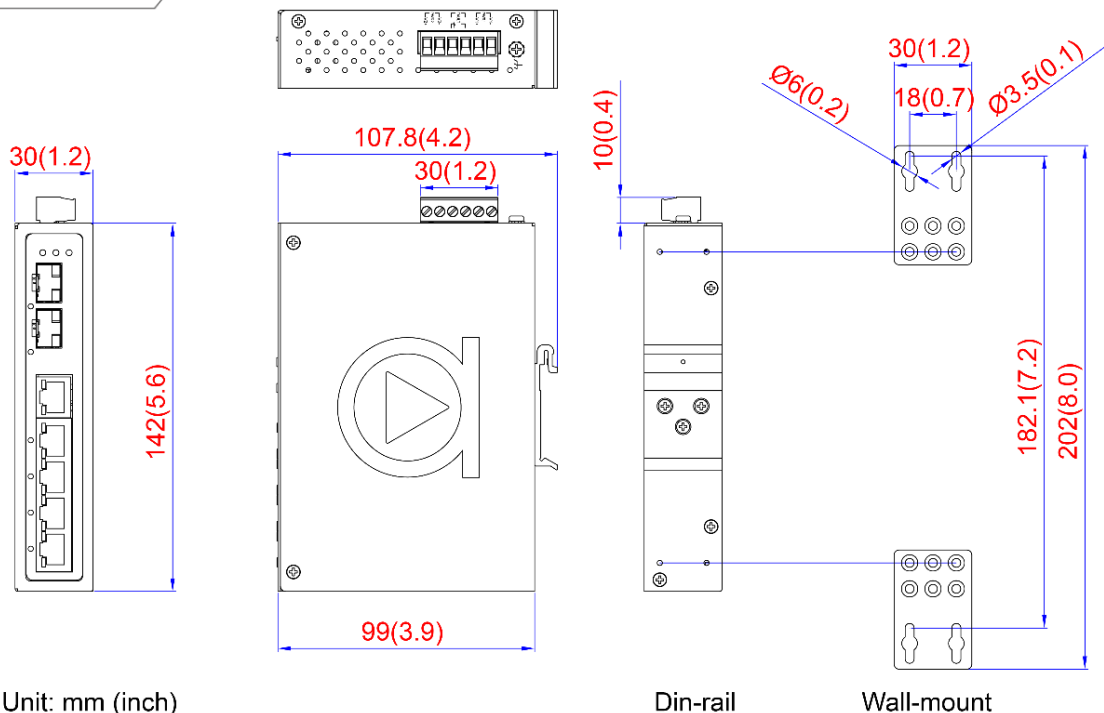
- ▶ Supports 4\*10/100Tx IEEE 802.3af/at Compliant with 30W/Port, 1\*10/100Tx Ethernet Port, and 2\*100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 5Gbps Back-Plane (Switching Fabric)
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ Built-in 1 Relay 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-0702C-SFP series is a 7-port industrial gigabit PoE+ unmanaged Ethernet switch embedded with 4\*10/100Tx Ethernet ports that support IEEE 802.3af/at for a maximum of 30W/port, 1\*10/100Tx Ethernet port, and 2\*100/1000 dual rate SFP slots for fiber connection.

The LNP-0702C-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                 |  |
|----------------------------|--|
| <b>Standards</b>           | IEEE 802.3 10BaseT Ethernet<br>IEEE 802.3u 100BaseTX Fast Ethernet<br>IEEE 802.3z Gigabit Fiber<br>IEEE 802.3af/at Power over Ethernet           |
| Switch Properties          |  |
| <b>Switch Architecture</b> | Switching Fabric (Back-Plane): 5Gbps   |
| <b>Processing Type</b>     | Store and Forward  |
| <b>Flow Control</b>        | IEEE 802.3x flow control, back pressure flow control   |
| <b>Protocol</b>            | CSMA/CD  |
| <b>Transfer Rate</b>       | 14,880pps for Ethernet<br>148,800pps for Fast Ethernet   |
| <b>MAC Table Size</b>      | 8K   |
| <b>Jumbo Frame</b>         | 9.6Kbytes  |
| <b>Memory Buffer</b>       | 4Mbits   |
| Port Interface             |  |
| <b>Ethernet Port</b>       | 5*10/100BaseTx with 4*PoE+ (PSE: 30W/Port)<br>Auto negotiation speed, Full/Half duplex mode,<br>and auto MDI/MDI-X connection                    |
| <b>SFP Port</b>            | 2*100/1000 SFP Slots   |
| <b>PoE Pin Out</b>         | V+, V+, V-, V-, for pin 1, 2, 3, 6<br>(Endspan, MDI Alternative A)   |
| <b>LED Indicators</b>      | System: Power 1, Power 2, Fault<br>Ethernet ports: Speed/Link/Active<br>SFP: Link/Active<br>PoE: On-connected to PD devices                      |
| <b>Network Cable</b>       | 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) |

| Mechanical Characteristics         |  |
|------------------------------------|--|
| <b>Housing</b>                     | Metal, IP30 rated  |
| <b>Dimension</b>                   | 30 x 142 x 99 mm (W x H x D)                                     |
| <b>Weight</b>                      | Unit: 1.28 lbs; Shipping: 1.6 lbs                                |
| <b>Mounting</b>                    | DIN-Rail mounting, Wall mounting                                 |
| Power Requirement                  |  |
| <b>Input Voltage</b>               | 48~55VDC Redundant Input   |
| <b>Power Connection</b>            | 1 removable 6-contact terminal block                             |
| <b>Overload Current Protection</b> | Present (Slow-Blown Fuse)  |
| <b>Reverse Polarity Protection</b> | Present  |
| <b>System Power Consumption</b>    | 9W   |
| <b>PoE Power Budget</b>            | 100W@48VDC<br>120W@55VDC   |
| <b>Relay Contact</b>               | 24VDC, 1A resistive  |
| Environmental Limits               |  |
| <b>Operating Temperature</b>       | STD: -10°C to 70°C<br>EOT: -40°C to 75°C                         |
| <b>Storage Temperature</b>         | -40°C ~ 85°C   |
| <b>Ambient Relative Humidity</b>   | 5 to 95%, (non-condensing)                                       |
| Regulatory Approvals               |  |
| <b>EMI</b>                         | FCC Part 15 Subpart B Class A,<br>CE EN55022/EN61000-6-4 Class A |
| <b>EMS</b>                         | CE EN55024/EN61000-6-2:<br>EN61000-4-2,3,4,5,6,8                 |
| <b>Free Fall</b>                   | IEC60068-2-32  |
| <b>Shock</b>                       | IEC60068-2-27  |
| <b>Vibration</b>                   | IEC60068-2-6   |
| <b>Green</b>                       | RoHS Compliant   |
| <b>Certifications</b>              | FCC, CE, UL 61010-1, UL 61010-2-201                              |
| <b>Warranty</b>                    | 5 Years  |

## ORDERING INFO

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