

## LNP-0702C-SFP-24 Series

7-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4\*10/100Tx (30W/Port), 1\*10/100Tx, and 2\*100/1000 SFP Slots; 12~55VDC Power Input



### Features

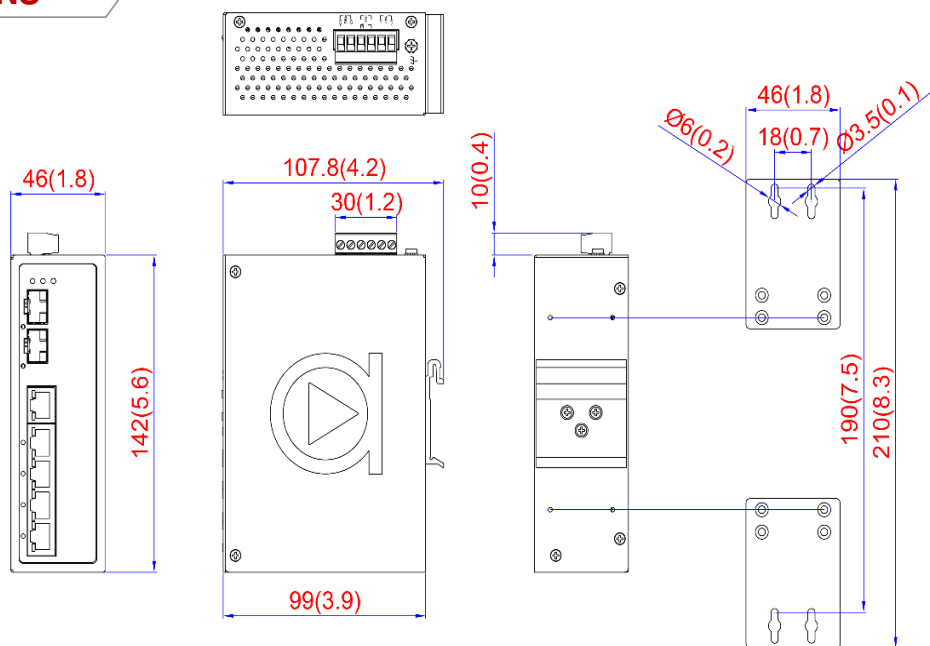
- ▶ Supports 4\*10/100Tx IEEE 802.3af/at Compliant with 30W/Port, 1\*10/100Tx Ethernet Port, and 2\*100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 5Gbps Back-Plane (Switching Fabric)
- ▶ Redundant Power Input Design: 12~55VDC
- ▶ Built-in 1 Relay 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-24 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-24 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



Unit: mm (inch)

Din-rail

Wall-mount

## SPECIFICATIONS

| Technology          |                                                                                                                               | Mechanical Characteristics  |                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------|
| Standards           | IEEE 802.3 10BaseT Ethernet                                                                                                   | Housing                     | Metal, IP30 rated                                                           |
|                     | IEEE 802.3u 100BaseTX Fast Ethernet                                                                                           | Dimension                   | 46 x 142 x 99 mm (W x H x D)                                                |
|                     | IEEE 802.3z Gigabit Fiber                                                                                                     | Weight                      | Unit: 1.81 lbs; Shipping: 1.93 lbs                                          |
|                     | IEEE 802.3af/at Power over Ethernet                                                                                           | Mounting                    | DIN-Rail mounting, Wall mounting                                            |
| Switch Properties   |                                                                                                                               | Power Requirement           |                                                                             |
| Switch Architecture | Switching Fabric (Back-Plane): 5Gbps                                                                                          | Input Voltage               | 12~55VDC Redundant Input                                                    |
| Processing Type     | Store and Forward                                                                                                             | Power Connection            | 1 removable 6-contact terminal block                                        |
| Flow Control        | IEEE 802.3x flow control, back pressure flow control                                                                          | Overload Current Protection | Present (Slow-Blown Fuse)                                                   |
| Protocol            | CSMA/CD                                                                                                                       | Reverse Polarity Protection | Present                                                                     |
| Transfer Rate       | 14,880pps for Ethernet<br>148,800pps for Fast Ethernet                                                                        | System Power Consumption    | 9W                                                                          |
| MAC Table Size      | 8K                                                                                                                            | PoE Power Budget            | 60W@12VDC<br>120W@36-55VDC                                                  |
| Jumbo Frame         | 9.6Kbytes                                                                                                                     | Relay Contact               | 24VDC, 1A resistive                                                         |
| Memory Buffer       | 4Mbits                                                                                                                        | Environmental Limits        |                                                                             |
| Port Interface      |                                                                                                                               | Operating Temperature       | STD: -10°C to 70°C<br>EOT: -40°C to 75°C                                    |
| Ethernet Port       | 5*10/100BaseTx with 4*PoE+ (PSE: 30W/Port)<br>Auto negotiation speed, Full/Half duplex mode,<br>and auto MDI/MDI-X connection | Storage Temperature         | -40°C ~ 85°C                                                                |
| SFP Port            | 2*100/1000 SFP Slots                                                                                                          | Ambient Relative Humidity   | 5 to 95%, (non-condensing)                                                  |
| PoE Pin Out         | V+, V+, V-, V-, for pin 1, 2, 3, 6<br>(Endspan, MDI Alternative A)                                                            | Regulatory Approvals        |                                                                             |
| LED Indicators      | System: Power 1, Power 2, Fault                                                                                               | EMI                         | FCC Part 15 Subpart B Class A,<br>CE EN55022/EN61000-6-4 Class A            |
|                     | Ethernet ports: Speed/Link/Active                                                                                             | EMS                         | CE EN55024/EN61000-6-2:<br>EN61000-4-2,3,4,5,6,8                            |
| Network Cable       | SFP: Link/Active                                                                                                              | Free Fall                   | IEC60068-2-32                                                               |
|                     | PoE: On-connected to PD devices                                                                                               | Shock                       | IEC60068-2-27                                                               |
|                     | 10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable                                                                                    | Vibration                   | IEC60068-2-6                                                                |
|                     | 100BaseTX: 2-pair UTP/STP Cat. 5 cable                                                                                        | Green                       | RoHS Compliant                                                              |
|                     | EIA/TIA-568 100-ohm (100m)                                                                                                    | Certifications              | FCC, CE, UL 61010-1, UL 61010-2-201,<br>UL Class 1 Division 2, ISA 12.12.01 |
|                     | EIA/TIA-568 100-ohm (100m)                                                                                                    | Warranty                    | 5 Years                                                                     |

## ORDERING INFO

|                    |                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LNP-0702C-SFP-24   | 7-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port), 1*10/100Tx, and 2*100/1000 SFP Slots; 12~55VDC Power Input                     |
| LNP-0702C-SFP-24-T | 7-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port), 1*10/100Tx, and 2*100/1000 SFP Slots; 12~55VDC Power Input; EOT: -40°C to 75°C |

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### 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