

# LNP-0702G-SFP Series

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



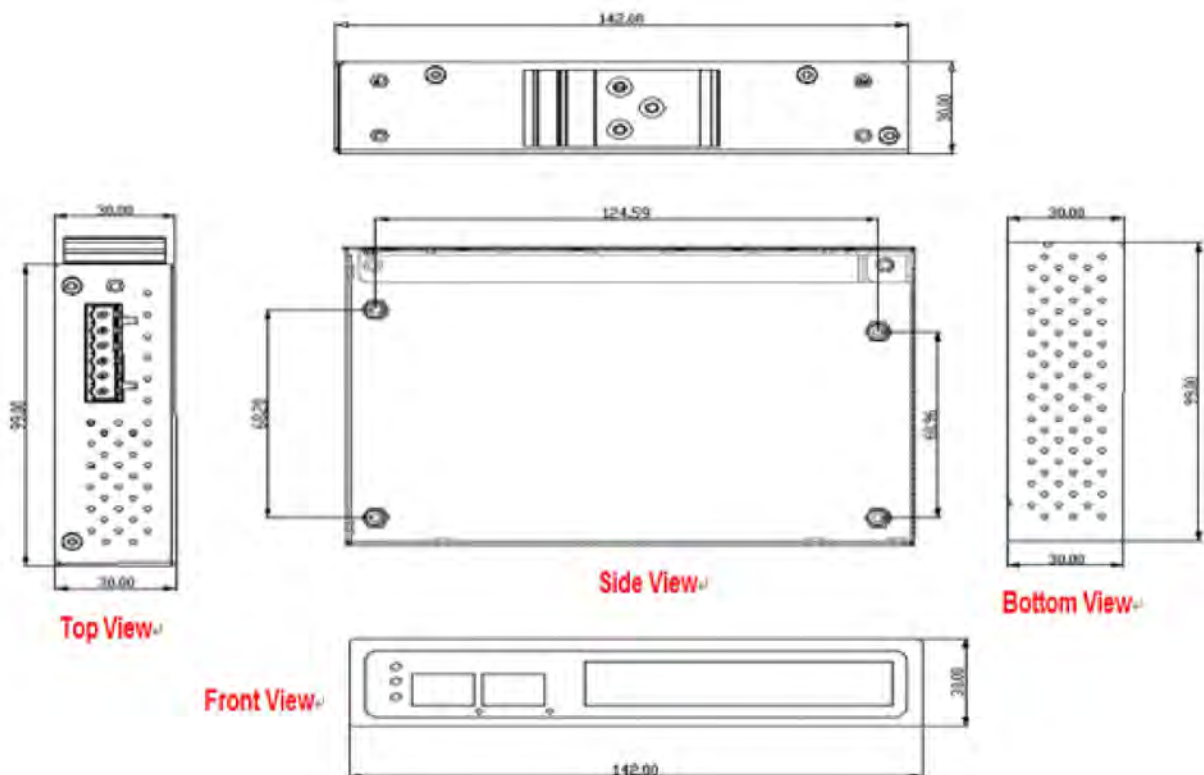
## Features

- ▶ Supports 4-Port 10/100/1000Tx IEEE 802.3at PoE+ Compliant with 30W per Port, 1-Port 10/100/1000Tx and 2-Port 100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 10Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC 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-0702G-SFP series** industrial gigabit unmanaged Ethernet switch features five 10/100/1000Tx ports, four of which support IEEE 802.3at high power PoE (30W/Port), and two dual rate 100/1000Fx SFP slots. This product series provides high EFT and ESD protection to protect against unregulated voltage. It also provides wide operation temperature models for standard: -10° to 70°C and extended: -40° to 75°C. The LNP-0702C-SFP series is an ideal solution for harsh environments and industrial applications.

## DIMENSIONS



## SPECIFICATIONS

| Technology                  |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| Standards                   | IEEE 802.3 10BaseTx Ethernet                                        |
|                             | IEEE 802.3u 100BaseTx Fast Ethernet                                 |
|                             | IEEE 802.3ab 1000BaseTx                                             |
|                             | IEEE 802.3z Gigabit Fiber                                           |
|                             | IEEE 802.3at PoE+                                                   |
| Processing Type             | Store and Forward                                                   |
| Protocol                    | CSMA/CD                                                             |
| Flow Control                | IEEE 802.3x back pressure flow control                              |
| Switch Properties           |                                                                     |
| Switch Architecture         | 10Gbps Back-Plane (Switching Fabric)                                |
| Transfer Rate               | 14,880pps for Ethernet Port                                         |
|                             | 148,800pps for Fast Ethernet Port                                   |
|                             | 1,488,000pps for Gigabit Ethernet Port                              |
| Jumbo Frame                 | 9.6Kbytes                                                           |
| MAC Table Size              | 8K                                                                  |
| Interface                   |                                                                     |
| Ethernet Port               | 5*RJ45 Ports w/ 4*10/100/1000Tx (PSE 30W/Port), and 1*10/100/1000Tx |
| Fiber Port                  | 2*100/1000 SFP Slot                                                 |
| PoE Pin out                 | V+, V+, V-, V- for pins 1,2,3,6<br>Endspan, MDI Alternative A       |
| Network Cable               | 10Base Tx: 2-pair UTP/STP Cat. 3,4,5                                |
|                             | 100Base Tx: 2-pair UTP/STP Cat. 5                                   |
|                             | 1000Base Tx: 2-pair UTP/STP Cat. 5/5E                               |
| Power Requirements          |                                                                     |
| Input Voltage               | 48~55VDC, Redundant Input                                           |
| Overload Current Protection | Present                                                             |
| Connection                  | 1 removable 6-contact terminal block                                |
| Reverse Polarity Protection | Yes                                                                 |
| Power Consumption           | 110 Watts @ 48V                                                     |
|                             | 130 Watts @ 51-55V (Full Load)                                      |

| Mechanical Characteristics |                                     |
|----------------------------|-------------------------------------|
| Housing                    | Metal, IP30 protection              |
| Dimensions                 | 30 x 99 x 142 mm (W*D*H)            |
| Weight                     | Unit 1.3 lb.                        |
|                            | Shipping Weight 1.7lbs.             |
| Mounting                   | DIN-Rail, Wall mounting (optional)  |
| Environmental Limits       |                                     |
| Operating Temperature      | STD: -10° to 70°C                   |
|                            | EOT: -40° to 75°C                   |
| Storage Temperature        | -40°C ~ 85°C                        |
| Ambient Relative Humidity  | 5 to 95%, (non-condensing)          |
| Regulatory Approvals       |                                     |
| EMI                        | FCC Class A                         |
| EMS                        | EN61000-4-2,3,4,5,6,8,11,12         |
|                            | EN61000-6-2,4                       |
| 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 PoE+ Gigabit Unmanaged Ethernet Switch, w/ 4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx + 2*100/1000 SFP Slot               |
| LNP-0702G-SFP-T | 7-Port Industrial Gigabit Unmanaged Ethernet Switch, w/ 4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx + 2*100/1000 SFP Slot: EOT: -40° to 75°C |

| Optional Accessories |                                                                                       |
|----------------------|---------------------------------------------------------------------------------------|
| DR-75-48             | 75W Industrial Din Rail Power Supply, 48VDC                                           |
| DR-120-48            | 120W Industrial Din Rail Power Supply, 48VDC                                          |
| MDR-100-48           | 100W Industrial Single Output Miniature DIN Rail Power Supply, 48VDC                  |
| SDR-240-48           | 240W Industrial Slim & High Efficiency DIN Rail Power Supply with PFC Function, 48VDC |