

LNP-0702G-SFP-24 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; 12~55VDC Power Input



Features

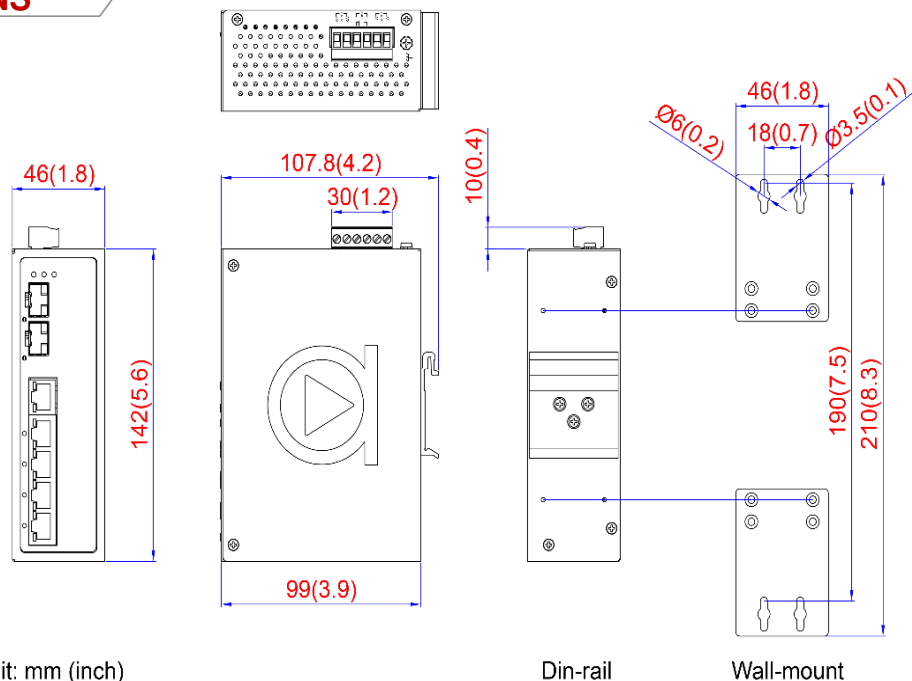
- ▶ Supports 4*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port, 1*10/100/1000Tx Ethernet Port, and 2*100/1000 SFP Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 14Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Redundant Power Input Design: 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-0702G-SFP-24 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-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



SPECIFICATIONS

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|----------------------------|---|
| Technology | |
| Standards | IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx Gigabit Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3af/at Power over Ethernet |
| Switch Properties | |
| Switch Architecture | Switching Fabric (Back-Plane): 14Gbps |
| Processing Type | Store and Forward |
| Flow Control | IEEE 802.3x flow control, back pressure flow control |
| Protocol | CSMA/CD |
| Transfer Rate | 14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet |
| MAC Table Size | 8K |
| Jumbo Frame | 9.6Kbytes |
| Memory Buffer | 4Mbits |
| Port Interface | |
| Ethernet Port | 5*10/100/1000BaseTx with 4*PoE+ (PSE: 30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection |
| SFP Port | 2*100/1000 SFP Slots |
| PoE Pin Out | V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A) |
| LED Indicators | System: Power 1, Power 2, Fault Ethernet ports: Speed/Link/Active SFP: Link/Active PoE: On-connected to PD devices |
| Network Cable | 10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 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) |

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| Mechanical Characteristics | |
| Housing | Metal, IP30 rated |
| Dimension | 46 x 142 x 99 mm (W x H x D) |
| Weight | Unit: 1.81 lbs; Shipping: 2.23 lbs |
| Mounting | DIN-Rail mounting, Wall mounting |
| Power Requirement | |
| Input Voltage | 12~55VDC Redundant Input |
| Power Connection | 1 removable 6-contact terminal block |
| Overload Current Protection | Present (Slow-Blown Fuse) |
| Reverse Polarity Protection | Present |
| System Power Consumption | 9W |
| PoE Power Budget | 60W@12VDC 120W@36-55VDC |
| Relay Contact | 24VDC, 1A resistive |
| Environmental Limits | |
| Operating Temperature | STD: -10°C to 70°C EOT: -40°C to 75°C |
| Storage Temperature | -40°C ~ 85°C |
| Ambient Relative Humidity | 5 to 95%, (non-condensing) |
| Regulatory Approvals | |
| EMI | FCC Part 15 Subpart B Class A, CE EN55022/EN61000-6-4 Class A |
| EMS | CE EN55024/EN61000-6-2: EN61000-4-2,3,4,5,6,8 |
| 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

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

Assured Systems

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