

LNP-1002G-10G-SFP-24

10-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port) and 2*10G SFP+ Slots; 12~55VDC Power Input



Features

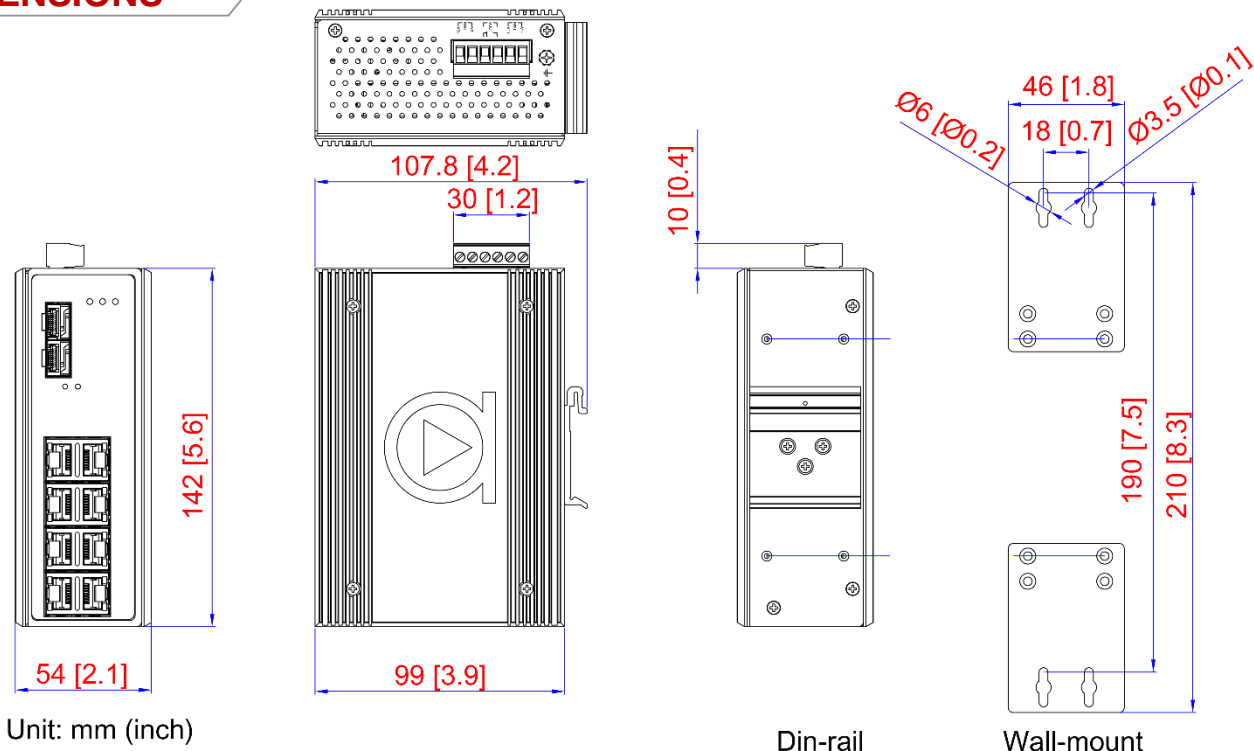
- ▶ Supports 8*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port and 2*10G SFP+ Slots
- ▶ Store-and-Forward Switching Architecture
- ▶ 56Gbps Back-Plane (Switching Fabric)
- ▶ 16K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Redundant Power Input Design: 12~55VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support Included
- ▶ Operating Temperature Range: -40~65°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-1002G-10G-SFP-24 are industrial gigabit PoE+ unmanaged Ethernet switches featuring 8*10/100/1000Tx Gigabit Ethernet ports that support IEEE802.3at for a maximum of 30W/port. The LNP-1002G-10G-SFP-24 is designed with 2*10G SFP+ slots which provide options for long-distance fiber connections. The Ethernet switches are designed with high EFT and ESD protection and support standard operating temperature from -40° to 65°C.

The LNP-1002G-10G-SFP-24 are IP30 rated and DIN-rail mountable. These Ethernet switches are designed to be powered with low voltage input (12~55VDC) while still providing the higher voltages required by the PoE standards. Additionally, these industrial PoE Ethernet switches provide connectivity for outdoor or harsh industrial automation application environments, such as security surveillance, ITS-traffic monitoring systems, oil/gas and mining, facility management for power/utility, water wastewater treatment plants, and lastly, automated production lines in factory automation.

DIMENSIONS



SPECIFICATIONS

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| Technology | |
| Standards | IEEE 802.3 10Tx Ethernet |
| | IEEE 802.3u 100Tx Fast Ethernet |
| | IEEE 802.3ab 1000Tx Gigabit Ethernet |
| | IEEE 802.3ae 10 Gigabit Ethernet |
| | IEEE 802.3af/at Power over Ethernet |
| Processing Type | Store and Forward |
| Protocol | CSMA/CD |
| Flow Control | IEEE 802.3x back pressure flow control |
| Switch Properties | |
| Switch Architecture | Back-Plane (Switching Fabric): 56.0Gbps 14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for 1000Base-T Gigabit Ethernet |
| Transfer Rate | 14,880,000pps for 10 Gigabit Ethernet Port |
| Packet Buffer | 8Mbits |
| Jumbo Frame | 9.6Kbytes |
| MAC Table Size | 16K |
| Port Interface | |
| Ethernet Port | 8*10/100/1000Tx (PSE: 30W/Port) Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection |
| SFP Port | 2*10G SFP+ slots |
| PoE Pin Out | V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A) System: Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices SFP: Link/Active |
| LED Indicators | |
| Network Cable | 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 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 protection |
| Dimension | 54 x 142 x 99 mm |
| Weight | Unit: 2.5 lbs.; Shipping: 3.12 lbs. |
| Mounting | DIN-Rail mounting, Wall mounting |
| Power Requirement | |
| Input Voltage | 12~55VDC Redundant Input |
| Power Connection | 1 removable 6-contact terminal block |
| Relay Contact | 24 VDC, 1A resistive |
| Overload Current Protection | Present |
| Power Reverse Polarity Protection | Present |
| System Power Consumption | 10.2W |
| Max PoE Power Budget | 90W @12VDC, 180W @24VDC, 240W @36~55VDC |
| PoE Power Output | 30W max. per PoE port |
| Environmental Limits | |
| Operating Temperature | -40°C to 65°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 EN55032/EN61000-6-4 Class A |
| EMS | CE EN55035/EN61000-6-2 Class A, IEC61000-4-2,3,4,5,6,8 |
| Free Fall | IEC60068-2-32 |
| Shock | IEC60068-2-27 |
| Vibration | IEC60068-2-6 |
| Green | RoHS Compliant |
| Certifications | FCC, CE, UL 61010-1, 61010-2-201 |
| Warranty | 5 Years |

ORDERING INFO

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TO LEARN MORE - CONTACT:



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