

LNP-C501G-SFP-bt Series

5-Port Industrial Compact Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, 4*10/100/1000TX (90W/Port) and 1*100/1000 SFP Slot



FEATURES

- ▶ Support 4*10/100/1000Tx IEEE 802.3bt Compliant with 90W/Port and 1*100/1000 SFP Slot
- ▶ Support PD Remote Rest Technology (PRRT)
- ▶ Adjustable SFP Speed with DIP-Switch Setting
- ▶ Store-and-Forward Switching Architecture
- ▶ Dual Power Input 48~55VDC in 6-Pin Terminal Block
- ▶ Support Power Inputs Reverse Polarity Protection
- ▶ IP40 Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty

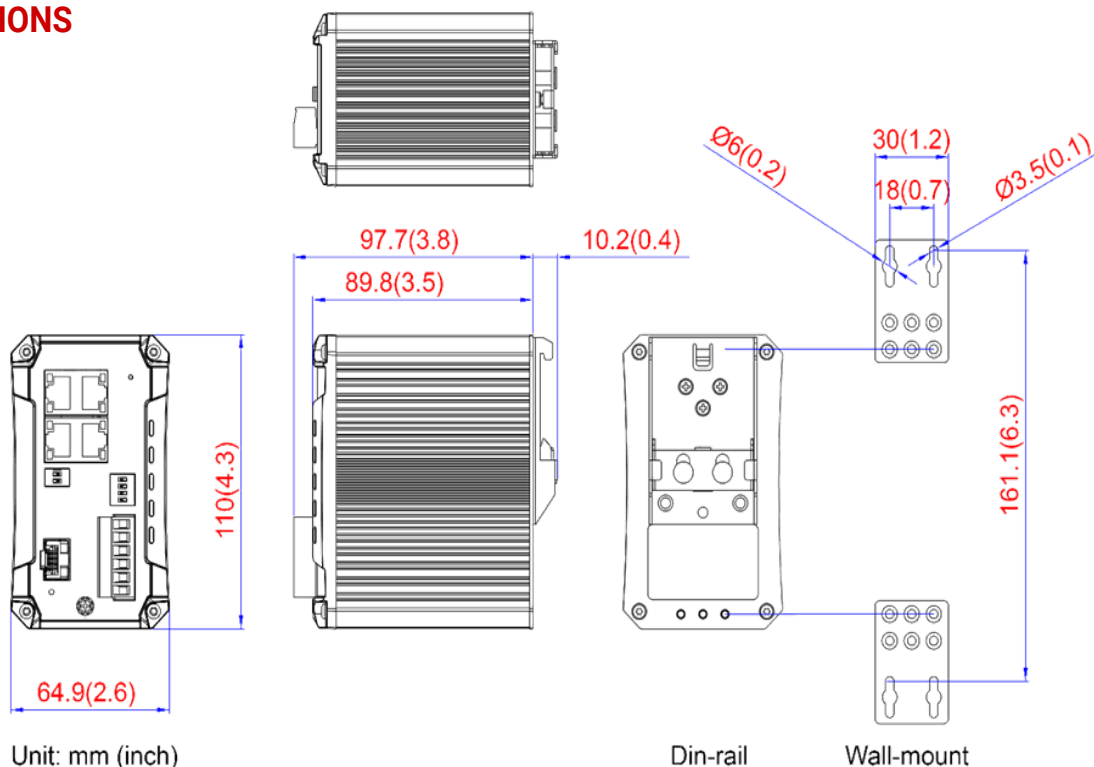


INTRODUCTION

Antaira Technologies' LNP-C501G-SFP-bt Series is a 5-port industrial compact Gigabit PoE++ unmanaged Ethernet switch embedded with 4*10/100/1000Tx Ethernet ports that support IEEE802.3bt for a maximum of 90W/port, and 1*100/1000 dual rate SFP slot for fiber connection.

The LNP-C501G-SFP-bt series is IP40 rated and DIN-rail mountable. There are also two wide-operating temperature models for either a standard temperature range (STD: -10°C to 65°C) or an extended temperature range (EOT: -40°C to 75°C). It also provides high EFT and ESD protection for industrial networking applications, such as power/utility, water wastewater, oil/gas/mining, factory automation, security surveillance, ITS, and any other outdoor or harsh environment.

DIMENSIONS



SPECIFICATIONS

| TECHNOLOGY | | MECHANICAL CHARACTERISTICS | |
|----------------------------|--|------------------------------------|---|
| Standards | IEEE 802.3 10Base-T Ethernet | Housing | Metal, IP40 protection |
| | IEEE 802.3u 100Base-TX Fast Ethernet | Dimension | 64.9 x 110 x 89.8 mm (W x H x D) |
| | IEEE 802.3ab 1000BaseT Gigabit Ethernet | Weight | Unit: 1.95 lb Shipping: 2.49 lb |
| | IEEE 802.3z 1000Base-X Gigabit Fiber | Mounting | DIN-Rail mounting, Wall mounting |
| | IEEE 802.3af/at/bt Power over Ethernet | | |
| SWITCH PROPERTIES | | POWER REQUIREMENT | |
| Switch Architecture | Switching Fabric (Back-Plane): 10Gbps | Input Voltage | 48~55VDC Redundant Input (53~55VDC power input for BT PoE PSE) |
| Processing Type | Store and Forward | Power Connection | 1 removable 6-contact terminal block |
| Flow Control | IEEE 802.3x flow control, back pressure flow control | Relay Contact | 24VDC, 1A resistive |
| Protocol | CSMA/CD | Overload Current Protection | Present (Slow-Blown Fuse) |
| Transfer Rate | 14,880pps for Ethernet | Reverse Polarity Protection | Present |
| | 148,800pps for Fast Ethernet | System Power Consumption | 4.6 Watts |
| | 1,488,000pps for Gigabit Ethernet | | |
| MAC Table Size | 8K | PoE Pin Out | V-, V-, V+, V+ for pin 1, 2, 3, 6 V+, V+, V-, V- for pin 4, 5, 7, 8 *Support Modes: Mode A, Mode B, 4-Pair Mode |
| Jumbo Frame | 10Kbytes | PoE Power Budget | 240W |
| Memory Buffer | 1Mbit | ENVIRONMENTAL LIMITS | |
| PORT INTERFACE | | Operating Temperature | STD: -10°C to 65°C EOT: -40°C to 75°C |
| Ethernet Port | 4*10/100/1000Base-TX (90W/Port), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection | Storage Temperature | -40°C ~ 85°C |
| SFP Port | 1*100/1000 SFP Slot | Ambient Relative Humidity | 5 to 95%, (non-condensing) |
| LED Indicators | System: Power 1, Power 2, Fault PoE Load: 70%, 90% | REGULATORY APPROVALS | |
| | Ethernet ports: Speed/Link/Active PoE: On-connected to PD devices SFP: Speed/Link/Active | EMI | FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A |
| DIP Switch | PoE Switch: Control PoE Function by Port DIP Switch 1: PD Remote Reset Technology (PRRT) Enable/Disable DIP Switch 2: SFP Speed (1000Mbps/100Mbps) | EMS | CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8 |
| | 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: UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m) | Certifications | FCC, CE, UL61010-1, UL61010-2-201 |
| Network Cable | | Warranty | 5 Years |

ORDERING INFORMATION

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|---------------------------|--|
| LNP-C501G-SFP-bt | 5-Port Compact Industrial Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, 4*10/100/1000TX (90W/Port) and 1*100/1000 SFP Slot |
| LNP-C501G-SFP-bt-T | 5-Port Compact Industrial Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, 4*10/100/1000TX (90W/Port) and 1*100/1000 SFP Slot; 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.

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