

# 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

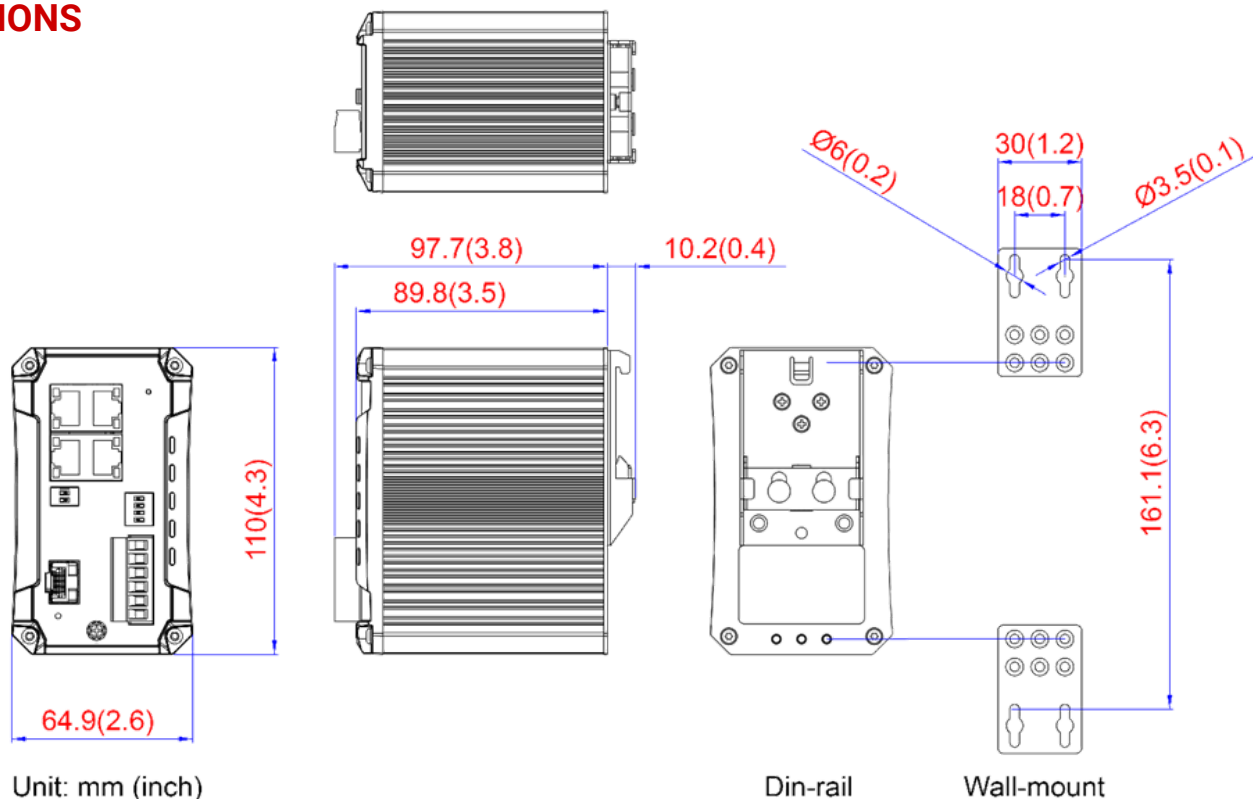


## INTRODUCTION

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

<b>Standards</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3af/at/bt Power over Ethernet
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### SWITCH PROPERTIES

<b>Switch Architecture</b>	Switching Fabric (Back-Plane): 10Gbps
<b>Processing Type</b>	Store and Forward
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control
<b>Protocol</b>	CSMA/CD
<b>Transfer Rate</b>	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet
<b>MAC Table Size</b>	8K
<b>Jumbo Frame</b>	10Kbytes
<b>Memory Buffer</b>	1Mbit

### PORT INTERFACE

<b>Ethernet Port</b>	4*10/100/1000Base-TX (90W/Port), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>SFP Port</b>	1*100/1000 SFP Slot
<b>LED Indicators</b>	System: Power 1, Power 2, Fault PoE Load: 70%, 90% Ethernet ports: Speed/Link/Active PoE: On-connected to PD devices SFP: Speed/Link/Active
<b>DIP Switch</b>	PoE Switch: Control PoE Function by Port DIP Switch 1: PD Remote Reset Technology (PRRT) Enable/Disable DIP Switch 2: SFP Speed (1000Mbps/100Mbps)
<b>Network Cable</b>	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)

### MECHANICAL CHARACTERISTICS

<b>Housing</b>	Metal, IP40 protection
<b>Dimension</b>	64.9 x 110 x 89.8 mm (W x H x D)
<b>Weight</b>	Unit: 1.95 lb Shipping: 2.49 lb
<b>Mounting</b>	DIN-Rail mounting, Wall mounting

### POWER REQUIREMENT

<b>Input Voltage</b>	48~55VDC Redundant Input (53~55VDC power input for BT PoE PSE)
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Relay Contact</b>	24VDC, 1A resistive
<b>Overload Current Protection</b>	Present (Slow-Blown Fuse)
<b>Reverse Polarity Protection</b>	Present
<b>System Power Consumption</b>	4.6 Watts
<b>PoE Pin Out</b>	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
<b>PoE Power Budget</b>	240W

### ENVIRONMENTAL LIMITS

<b>Operating Temperature</b>	STD: -10°C to 65°C EOT: -40°C to 75°C
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)

### REGULATORY APPROVALS

<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
<b>EMS</b>	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
<b>Certifications</b>	FCC, CE, UL61010-1, UL61010-2-201
<b>Warranty</b>	5 Years

## ORDERING INFORMATION

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