

# LNP-0500G-bt-24 Series

5-Port Industrial Gigabit IEEE 802.3bt PoE++ Unmanaged Ethernet Switch, with 4\*10/100/1000Tx (90W/Port) and 1\*10/100/1000Tx; 12~55VDC Power Input



## Features

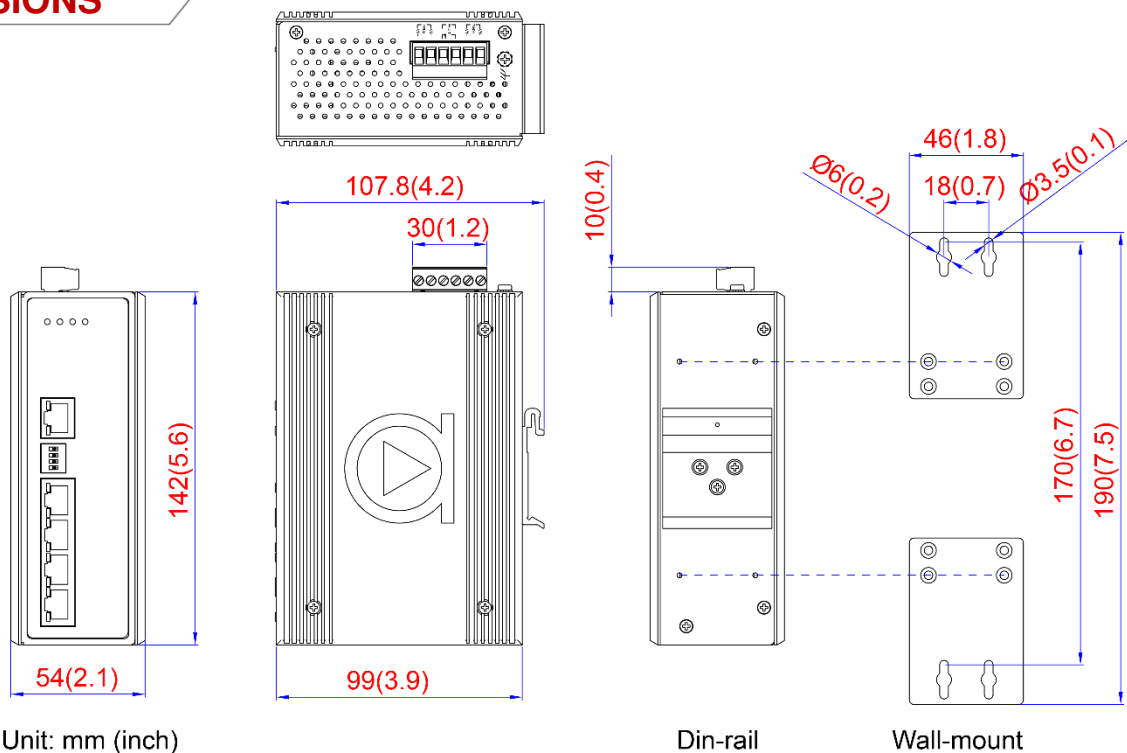
- ▶ Supports 4\*10/100/1000Tx IEEE 802.3bt Compliant with 90W/Port and 1\*10/100/1000Tx Ethernet Port
- ▶ Store-and-Forward Switching Architecture
- ▶ 10Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 10.0Kbytes Jumbo Frame Support
- ▶ Redundant Power Input Design: 12~55VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support Included
- ▶ Operating Temp. - STD: -10°~65°C, EOT: -40°~75°C
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira Technologies' LNP-0500G-bt-24 series is an industrial gigabit PoE++ unmanaged Ethernet switch featuring 4\*10/100/1000Tx Gigabit Ethernet ports that support IEEE802.3bt for a maximum of 90W/port and 1\*10/100/1000Tx Ethernet port. The LNP-0500G-bt is an ideal solution for rapid, unmanaged gigabit network expansion with PoE++ capabilities.

The LNP-0500G-bt-24 series is IP30 rated and DIN-rail mountable. There are also two 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 Ethernet connectivity with PoE functions 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

<b>Technology</b>	
<b>Standards</b>	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3at/af/bt Power over Ethernet
<b>Processing Type</b>	Store and Forward
<b>Flow Control</b>	IEEE 802.3x back pressure flow control
<b>Switch Properties</b>	
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 10.0Gbps 14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for 1000Base-T Gigabit Ethernet
<b>Transfer Rate</b>	
<b>Packet Buffer</b>	1Mbit
<b>Jumbo Frame</b>	10Kbytes
<b>MAC Table Size</b>	8K
<b>Port Interface</b>	
<b>Ethernet RJ45 Port</b>	4*10/100/1000Tx (PSE: 90W/Port) + 1*10/100/1000Tx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI- X connection
<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
<b>DIP Switch</b>	Control PoE Function by Port System: Power 1, Power 2, Fault, PoE Load (P/L)
<b>LED Indicators</b>	Ethernet Ports: Speed/Link/Active PoE: On-connected to PD devices
<b>Relay Contact</b>	24VDC, 1A resistive
<b>Network Cable</b>	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: UTP/STP Cat.5/5E cable EIA/TIA-568 100-ohm (100m)

<b>Mechanical Characteristics</b>	
<b>Housing</b>	Metal, IP30 protection
<b>Dimension</b>	54 x 142 x 99 mm
<b>Weight</b>	Unit: 1.85 lbs.; Shipping: 2.51 lbs.
<b>Mounting</b>	DIN-Rail mounting, Wall mounting
<b>Power Requirement</b>	
<b>Input Voltage</b>	12~55VDC Redundant Input
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Overload Current Protection</b>	Present
<b>Power Reverse Polarity Protection</b>	Present
<b>Power Consumption</b>	5W
<b>Max PoE Power Budget</b>	90W @12VDC 180W @24~55VDC
<b>PoE Power Output</b>	90W max. per PoE port
<b>PoE Port Priority</b>	Port 1>Port 2>Port 3>Port 4
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -10 to 65°C EOT: -40 to 75°C
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Regulatory Approvals</b>	
<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 Class A, IEC61000-4-2,3,4,5,6,8
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Green</b>	RoHS Compliant
<b>Certifications</b>	FCC, CE
<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNP-0500G-bt-24</b>	5-Port Industrial Gigabit PoE++ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (90W/Port) and 1*10/100/1000Tx, 12~55VDC Power Input
<b>LNP-0500G-bt-24-T</b>	5-Port Industrial Gigabit PoE++ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (90W/Port) and 1*10/100/1000Tx, 12~55VDC Power Input; EOT: -40°C to 75°C