

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





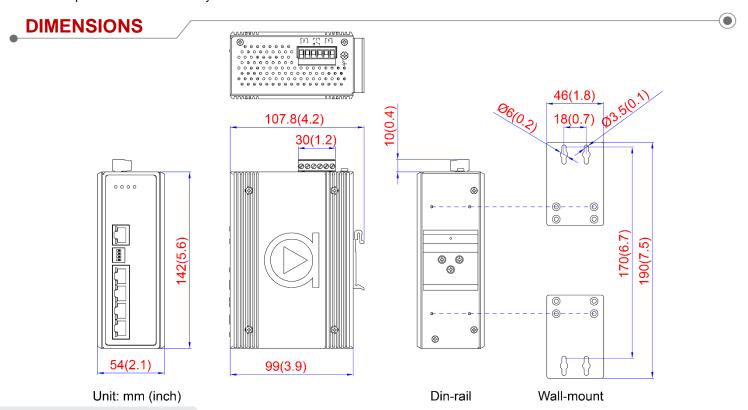
Features

- ► 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.





SPECIFICATIONS

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
Store and Forward
IEEE 802.3x back pressure flow control
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
1Mbit
10Kbytes
8K
4*10/100/1000Tx (PSE: 90W/Port) + 1*10/100/1000Tx auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI- X connection
V-, V-, V+, V+, for pin 1, 2, 3, 6 V+, V+, V-, V-, for pin 4, 5, 7, 8
Control PoE Function by Port
System: Power 1, Power 2, Fault, PoE Load (P/L) Ethernet Ports: Speed/Link/Active PoE: On-connected to PD devices
24VDC, 1A resistive
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)

Mechanical CharacteristicsHousingMetal, IP30 protectionDimension54 x 142 x 99 mmWeightUnit: 1.85 lbs.; Shipping: 2.51 lbs.MountingDIN-Rail mounting, Wall mountingPower Requirement12~55VDC Redundant InputInput Voltage12~55VDC Redundant InputPower Connection1 removable 6-contact terminal blockOverload Current ProtectionPresentPower Reverse Polarity ProtectionPresentPower Consumption5WMax PoE Power Budget90W @12VDC 180W @24~55VDCPoE Power Output90W max. per PoE portPoF 1>Port 2>Port 3>Port 4Environmental LimitsSTD: -10 to 65°C EOT: -40 to 75°CStorage Temperature-40°C ~ 85°CAmbient Relative Humidity5 to 95%, (non-condensing)Regulatory ApprovalsFCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A, IEC61000-4-2,3,4,5,6,8EMSFCC Post 15 Subpart B Class A, IEC61000-4-2,3,4,5,6,8Free FallIEC60068-2-32ShockIEC60068-2-6GreenRoHS CompliantCertificationsFCC, CEWarranty5 Years		
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Input Voltage	Mounting	DIN-Rail mounting, Wall mounting
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PoE Power Output 90W max. per PoE port	Max PoE Power Budget	90W @12VDC
PoE Port Priority Port 1>Port 2>Port 3>Port 4 Environmental Limits STD: -10 to 65°C EOT: -40 to 75°C Storage Temperature -40°C ~ 85°C Ambient Relative Humidity 5 to 95%, (non-condensing) Regulatory Approvals 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		180W @ 24~55VDC
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Shock IEC60068-2-27 Vibration IEC60068-2-6 Green RoHS Compliant Certifications FCC, CE	EMS	*
Vibration IEC60068-2-6 Green RoHS Compliant Certifications FCC, CE	Free Fall	IEC60068-2-32
Green RoHS Compliant Certifications FCC, CE	Shock	IEC60068-2-27
Certifications FCC, CE	Vibration	IEC60068-2-6
,	Green	RoHS Compliant
Warranty 5 Years	Certifications	FCC, CE
	Warranty	5 Years

ORDERING INFO

	5-Port Industrial Gigabit PoE++ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (90W/Port) and
LNP-0500G-bt-24	1*10/100/1000Tx, 12~55VDC Power Input
LNP-0500G-bt-24-T	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



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