

# LNP-0500G Series

5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4\*10/100/1000Tx (30W/Port), 1\*10/100/1000Tx, 48~55VDC Power Input



## Features

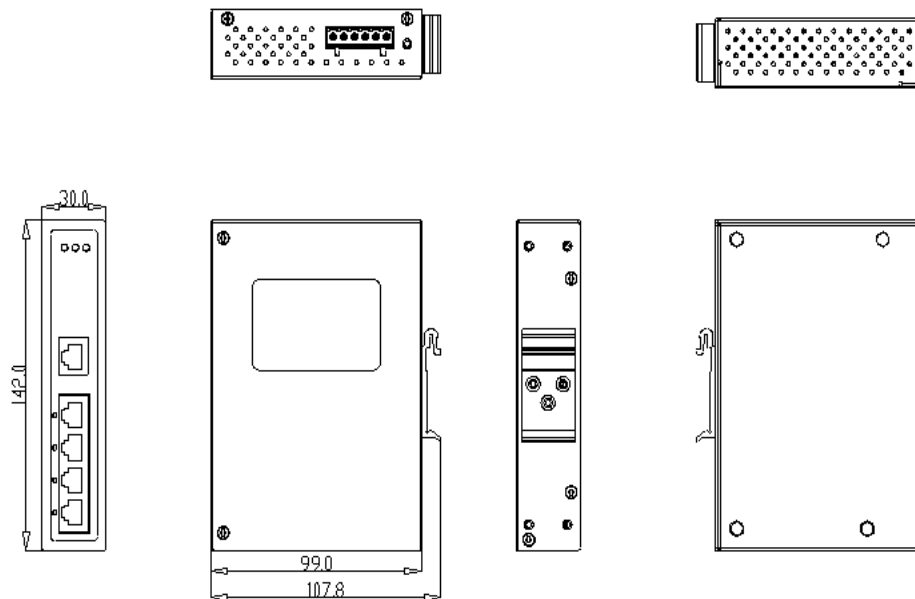
- ▶ Supports 4\*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port, and 1\*10/100/1000Tx Ethernet Port, Auto MDI
- ▶ Store-and-Forward Switching Architecture
- ▶ 10Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 10.0Kbytes Jumbo Frame Support
- ▶ Surge Protection 2,000 VDC Support
- ▶ ESD Protection 6,000 VDC Support
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ 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°~70°C, EOT: -40°~75°C
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira Technologies' LNP-0500G series is an industrial gigabit PoE+ unmanaged Ethernet switch featuring 4\*10/100/1000Tx Gigabit Ethernet ports that support IEEE802.3af/at for a maximum of 30W/port and 1\*10/100/1000Tx Ethernet port. The LNP-0500G is an ideal solution for rapid, unmanaged gigabit network expansion with PoE+ capabilities.

The LNP-0500G 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 70°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 PoE (Power-over-Ethernet)
<b>Processing Type</b>	Store and Forward
<b>Flow Control Protocol</b>	IEEE 802.3x back pressure flow control CSMA/CD
<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
<b>Transfer Rate</b>	
<b>Packet Buffer</b>	4 Mbits
<b>Jumbo Frame</b>	10.0K
<b>MAC Table Size</b>	8K
<b>Port Interface</b>	
<b>Ethernet RJ45 Port</b>	4*10/100/1000Tx (PSE: 30W/Port) +1*10/100/1000 auto negotiation speed, Full/Half duplex mode, and auto MDI connection
<b>PoE Pin Out</b>	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable. EIA/TIA-568 100-ohm (100m)
<b>Network Cable</b>	1000BaseTX: UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m)

<b>Mechanical Characteristics</b>	
<b>Housing</b>	Metal IP30 rated
<b>Dimension</b>	30 x 142 x 99 mm
<b>Weight</b>	Unit: 1.1 lbs.; Shipping: 1.6 lbs.
<b>Mounting</b>	DIN-Rail; Wall-Mount (optional)
<b>Power Requirement</b>	
<b>Input Voltage</b>	48~55VDC 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>	110Watts@48V 130Watts@51-55V
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -10 to 70°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 Class A
<b>EMS</b>	IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4
<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, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNP-0500G</b>	5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (30W/Port) + 1*10/100/1000Tx
<b>LNP-0500G-T</b>	5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (30W/Port) + 1*10/100/1000Tx; EOT:-40 to 75C

<b>Optional Accessories</b>	
<b>DR-75-48</b>	75W Industrial Din Rail Power Supply (48VDC)
<b>DR-120-48</b>	120W Industrial Din Rail Power Supply (48VDC)
<b>SDR-240-48</b>	240W Industrial Din Rail Power Supply (48VDC)
<b>DIN-RACK-2U</b>	Din-Rail to 19" Rack Mount Adapter for all Din-Rail Mountable Products, 2U Height

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