

# LNP-0500-24 Series

5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4\*10/100Tx (30W/Port) and 1\*10/100Tx, 12~36VDC Input



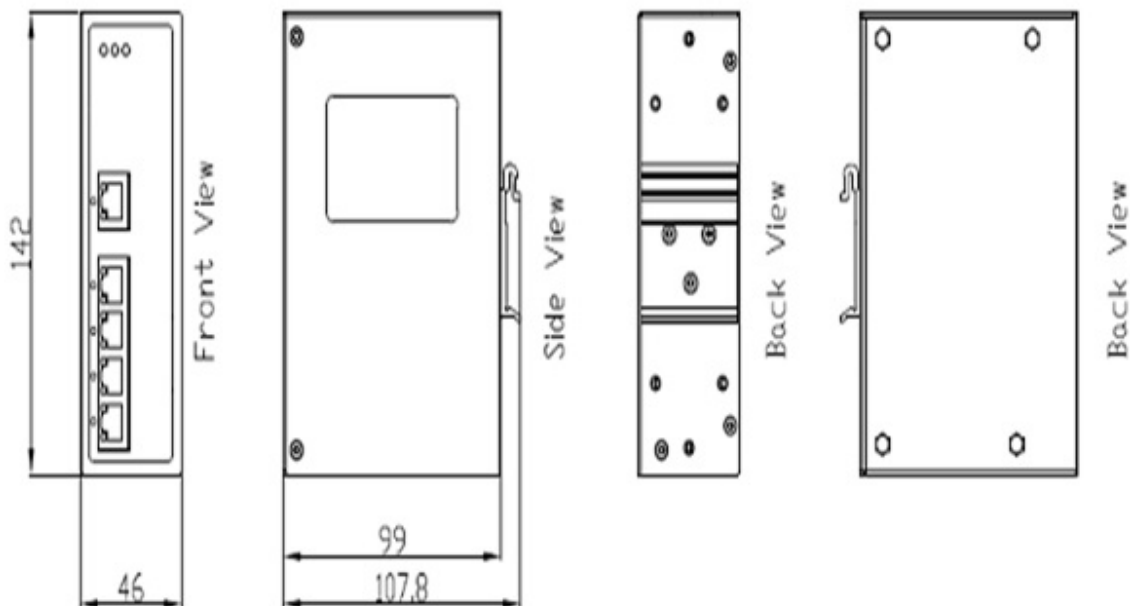
## Features

- ▶ Network Broadcast Storm Protection
- ▶ 4-Port IEEE 802.3at Compliant PoE+ Function with 30W/Port
- ▶ 1-Port 10/100Tx Fast Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design – 12~36VDC
- ▶ Built-in 1 Relay Output for Port Break Alarm
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range – STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira's LNP-0500 series switch is a smart 5-port Industrial Unmanaged Ethernet Switch supporting IEEE-802.3at compliance (Power-over-Ethernet Plus) on ports 1 to 4. The switch is classified as power sourcing equipment (PSE), and when used in this way, the LNP-0500 series switch enables centralization of the power supply and provides up to 30 watts of power per port. The LNP-0500 can be used to power IEEE 802.3af or 802.3at compliant power devices (PD), eliminating the need for additional wiring, and support IEEE 802.3/802.3u/802.3x with 10/100BTx, full or half duplex, MDI/MDI-X auto sensing to provide an economical solution for the Industrial Ethernet Network. In addition, the Network Broadcast Storm Protection and built-in relay warning function alerts network engineers when power failures or port breaks occur.

## DIMENSIONS



## SPECIFICATIONS

<b>Technology</b>	
<b>Standards</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3at Power over Ethernet
<b>Processing Type</b>	Store-and-Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control
<b>Switch Properties</b>	
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
<b>MAC Table Size</b>	2K
<b>Interface</b>	
<b>Ethernet Port</b>	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 4*10/100Tx (PoE+) + 1*10/100Tx
<b>PoE Pin Out</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
<b>LED Indicators</b>	Power 1, Power 2, and Fault
<b>Mechanical Characteristics</b>	
<b>Housing</b>	Metal, IP30 protection
<b>Dimensions</b>	46 x 142 x 99 mm
<b>Weight</b>	Unit: 1.68 lbs Shipping: 2.0 lbs
<b>Mounting</b>	DIN-Rail, Wall Mounting (Optional)

<b>Power Requirement</b>	
<b>Input Voltage</b>	12~36VDC, Redundant Input
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Reverse Polarity Protection</b>	Present
<b>Overload Current Protection</b>	Present
<b>PoE Power Output</b>	30W @ 53VDC (per PoE port)
<b>Power Consumption</b>	145 Watts @ 12~36VDC
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -10° to 70°C EOT: -40° to 75°C
<b>Storage Temperature</b>	-40°~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>	EN6100-4-2,3,4,5,6,8 EN6100-6-2,4
<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 508, UL Class 1 Division 2, ISA 12.12.01
<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNP-0500-24</b>	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 1*10/100Tx, 12~36VDC Input
<b>LNP-0500-24-T</b>	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 1*10/100Tx, 12~36VDC Input, EOT: -40° to 75°C

### Optional Accessories

<b>DR-75-24</b>	75 Watt Industrial Single Output DIN Rail Power Supply - 24 VDC / 3.2 Amps
<b>SDR-120-24</b>	120 Watt Industrial Slim High-Efficiency Single Output DIN Rail Power Supply - 24 VDC / 5.0 Amps
<b>SDR-240-24</b>	240 Watt Industrial Slim High-Efficiency Single Output DIN Rail Power Supply - 24 VDC / 10.0 Amps
<b>DIN-RAIL-10</b>	35mm Steel DIN-Rail Track – 10 Inches Long
<b>DIN-RACK-2U</b>	DIN-Rail to 19" Rack Mount Adapter for all DIN-Rail Mountable Products, 2U Height

TO LEARN MORE - CONTACT:



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