

# LNP-0500 Series

5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4\*10/100Tx (PSE: 30W/Port) + 1\*10/100Tx



## Features

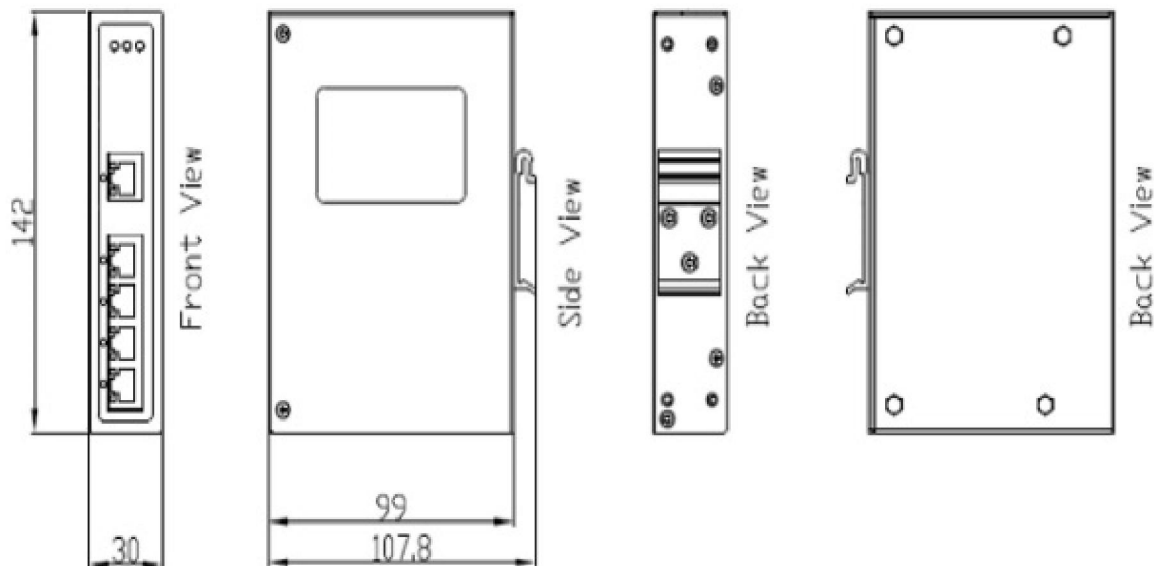
- ▶ 4-Port IEEE 802.3at Compliant PoE+ (30W/Port)
- ▶ 1-Port 10/100Tx Fast Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Network Broadcast Storm Protection
- ▶ EFT Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ 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 Technologies' LNP-0500 series is an industrial PoE+ unmanaged Ethernet switch featuring 4\*10/100Tx PoE+ ports and 1\*10/100Tx fast Ethernet RJ45 port. Each power over Ethernet (PoE+) port supports an IEEE 802.3at high power PoE+ output up to 30W per port, making it ideal for applications that demand a PoE+ power source.

The LNP-0500 series is IP30 rated and DIN-rail mountable. There are also two wide 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). The series also provides Ethernet connectivity with PoE+ functions for outdoor or harsh industrial application environments, such as, security surveillance, ITS-traffic monitoring systems, 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 10BaseT Ethernet IEEE 802.3u 100BaseT Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3at PoE (Power-over-Ethernet)
<b>Processing Type</b>	Store-and-Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x back pressure flow control
<b>Switch Properties</b>	
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 1.0Gbps
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
<b>Jumbo Frame</b>	-
<b>MAC Table Size</b>	2K
<b>Port 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 Port Pin Assignment</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
<b>Mechanical Characteristics</b>	
<b>Housing</b>	Metal IP30 rated
<b>Dimensions</b>	30 x 142 x 99 mm
<b>Weight</b>	Unit: 1.1 lbs Shipping: 1.45 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>Reverse Polarity Protection</b>	Present
<b>Overload Current Protection</b>	Present
<b>PoE Power Output</b>	25W @ 48VDC (per PoE port) 30W @ 51~55VDC (per PoE port)
<b>Power Consumption</b>	110 Watts @ 48VDC 130 Watts @ 51~55VDC
<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, ISA 12.12.01
<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNP-0500</b>	5-Port Industrial PoE+ Unmanaged Ethernet Switch, w/4*10/100Tx (30W/Port) + 1*10/100Tx
<b>LNP-0500-T</b>	5-Port Industrial PoE+ Unmanaged Ethernet Switch, w/4*10/100Tx (30W/Port) + 1*10/100Tx, EOT: -40°~75°C

### Optional Accessories

<b>DR-75-48</b>	75W Industrial Single Output DIN-Rail Power Supply – 48VDC / 1.6 Amps
<b>SDR-120-48</b>	120W Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply – 48VDC / 2.5 Amps
<b>SDR-240-48</b>	240W Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply – 48VDC / 5.0 Amps
<b>MDR-60-48</b>	60W Industrial Slim Single Output DIN-Rail Power Supply – 48VDC / 1.25 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