

LNP-0500-24 Series

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



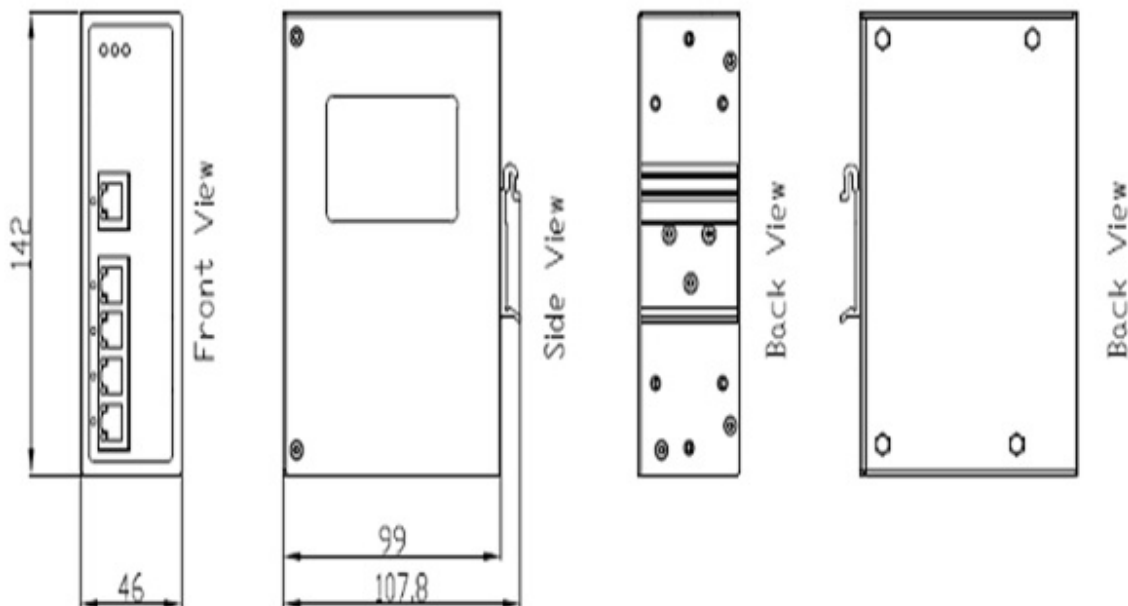
Features

- ▶ 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

Technology		Power Requirement	
Standards	IEEE 802.3 10BaseT Ethernet	Input Voltage	12~36VDC, Redundant Input
	IEEE 802.3u 100BaseTX Fast Ethernet	Power Connection	1 removable 6-contact terminal block
	IEEE 802.3x Flow Control and Back-Pressure	Reverse Polarity Protection	Present
	IEEE 802.3at Power over Ethernet	Overload Current Protection	Present
Processing Type	Store-and-Forward	PoE Power Output	30W @ 53VDC (per PoE port)
Protocol	CSMA/CD	Power Consumption	145 Watts @ 12~36VDC
Flow Control	IEEE 802.3x flow control, back pressure flow control	Environmental Limits	
Switch Properties		Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps	Storage Temperature	-40°~85°C
	Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes	Ambient Relative Humidity	5 to 95%, (Non-condensing)
Transfer Rate	14,880pps for Ethernet Port	Regulatory Approvals	
MAC Table Size	148,800pps for Fast Ethernet Port	EMI	FCC Class A
Interface		EMS	EN6100-4-2,3,4,5,6,8 EN6100-6-2,4
Ethernet Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Free Fall	IEC60068-2-32
	4*10/100Tx (PoE+) + 1*10/100Tx	Shock	IEC60068-2-27
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)	Vibration	IEC60068-2-6
LED Indicators	Power 1, Power 2, and Fault	Green	RoHS Compliant
Mechanical Characteristics		Certifications	FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01
Housing	Metal, IP30 protection	Warranty	5 Years
Dimensions	46 x 142 x 99 mm		
Weight	Unit: 1.68 lbs Shipping: 2.0 lbs		
Mounting	DIN-Rail, Wall Mounting (Optional)		

ORDERING INFO

LNP-0500-24	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 1*10/100Tx, 12~36VDC Input
LNP-0500-24-T	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	
DR-75-24	75 Watt Industrial Single Output DIN Rail Power Supply - 24 VDC / 3.2 Amps
SDR-120-24	120 Watt Industrial Slim High-Efficiency Single Output DIN Rail Power Supply - 24 VDC / 5.0 Amps
SDR-240-24	240 Watt Industrial Slim High-Efficiency Single Output DIN Rail Power Supply - 24 VDC / 10.0 Amps
DIN-RAIL-10	35mm Steel DIN-Rail Track – 10 Inches Long
DIN-RACK-2U	DIN-Rail to 19" Rack Mount Adapter for all DIN-Rail Mountable Products, 2U Height