

LNP-0500 Series

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



Features

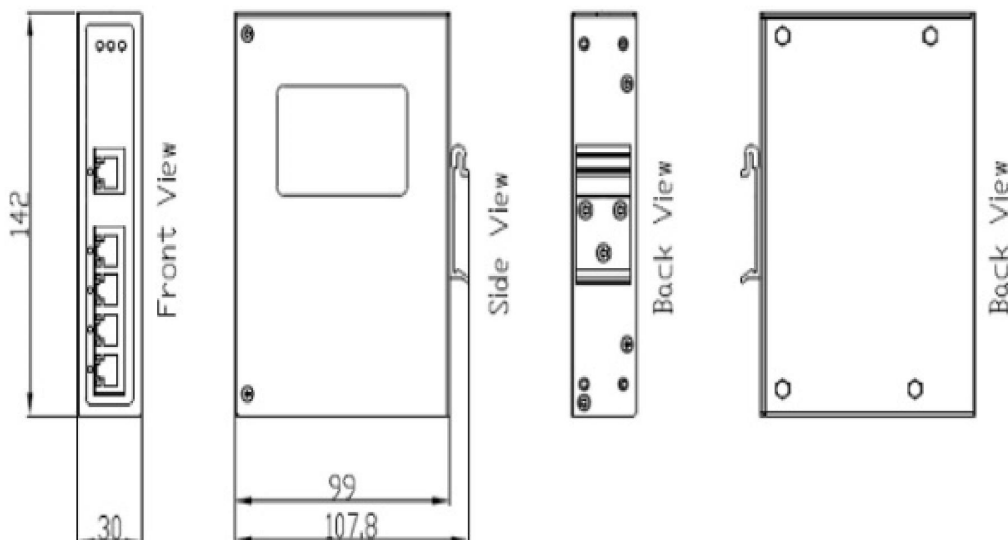
- ▶ 4-Port IEEE 802.3at Compliant PoE+ (30W/Port)
- ▶ 1-Port 10/100Tx Fast Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Network Broadcast Storm Protection
- ▶ EFT Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ 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

Technology		Power Requirement	
Standards	IEEE 802.3 10BaseT Ethernet	Input Voltage	48~55VDC Redundant Input
	IEEE 802.3u 100BaseT 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 PoE (Power-over-Ethernet)	Overload Current Protection	Present
Processing Type	Store-and-Forward	PoE Power Output	25W @ 48VDC (per PoE port) 30W @ 51~55VDC (per PoE port)
Protocol	CSMA/CD	Power Consumption	110 Watts @ 48VDC 130 Watts @ 51~55VDC
Flow Control	IEEE 802.3x 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
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port	Ambient Relative Humidity	5 to 95%, (Non-condensing)
Jumbo Frame	-	Regulatory Approvals	
MAC Table Size	2K	EMI	FCC Class A
Port 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 4*10/100Tx (PoE+) + 1*10/100Tx	Free Fall	IEC60068-2-32
PoE Port Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)	Shock	IEC60068-2-27
Mechanical Characteristics		Vibration	IEC60068-2-6
Housing	Metal IP30 rated	Green	RoHS Compliant
Dimensions	30 x 142 x 99 mm	Certifications	FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01
Weight	Unit: 1.1 lbs Shipping: 1.45 lbs	Warranty	5 Years
Mounting	DIN-Rail; Wall-mount (Optional)		

ORDERING INFO

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

Optional Accessories

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

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