

LNP-0500G-24 Series

5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx, 12~36VDC Power Input (w/ Voltage Booster)



Features

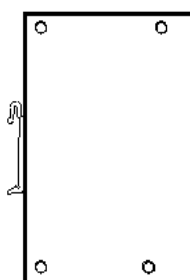
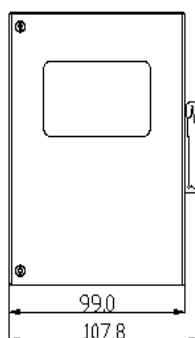
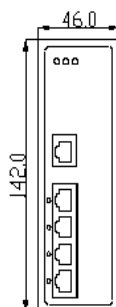
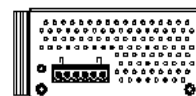
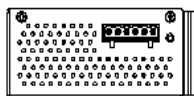
- ▶ Supports 4*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port, and 1*10/100/1000Tx Port, Auto MDI
- ▶ Store-and-Forward Switching Architecture
- ▶ 10Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Surge Protection 2,000 VDC Support
- ▶ ESD Protection 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~36VDC
- ▶ 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-24 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-24 is an ideal solution for rapid, unmanaged gigabit network expansion with PoE+ capabilities.

The LNP-0500G-24 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). This product series also supports a low voltage power input range of 12~36VDC. 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

Technology		Mechanical Characteristics	
Standards	IEEE 802.3 10Tx Ethernet	Housing	Metal IP30 rated
	IEEE 802.3u 100Tx Fast Ethernet	Dimension	46 x 142 x 99 mm
	IEEE 802.3ab 1000Tx Gigabit Ethernet	Weight	Unit: 1.6 lbs.; Shipping: 2.1 lbs.
	IEEE 802.3at/af PoE (Power-over-Ethernet)	Mounting	DIN-Rail; Wall-Mount (optional)
Processing Type	Store and Forward	Power Requirement	
Flow Control	IEEE 802.3x back pressure flow control	Input Voltage	12~36VDC Redundant Input
Protocol	CSMA/CD	Power Connection	1 removable 6-contact terminal block
Switch Properties		Overload Current Protection	Present
Switch Architecture	Back-Plane (Switching Fabric): 10.0Gbps	Power Reverse Polarity Protection	Present
Transfer Rate	14,880pps for 10Base-T Ethernet	Power Consumption	145 Watts (Full load w/PoE)
	148,800pps for 100Base-T Fast Ethernet	Environmental Limits	
Packet Buffer	4 Mbits	Operating Temperature	STD: -10 to 70°C EOT: -40 to 75°C
Jumbo Frame	10.0K	Storage Temperature	-40°C ~ 85°C
MAC Table Size	8K	Ambient Relative Humidity	5 to 95%, (non-condensing)
Port Interface		Regulatory Approvals	
Ethernet RJ45 Port	4*10/100/1000Tx (PSE: 30W/Port)	EMI	FCC Class A
	+1*10/100/1000 auto negotiation speed, Full/Half duplex mode, and auto MDI connection	EMS	IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4
PoE Pin Out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A	Free Fall	IEC60068-2-32
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable;	Shock	IEC60068-2-27
	100Base-TX: 2-pair UTP/STP Cat. 3, 4, 5 cable;	Vibration	IEC60068-2-6
	1000Base-TX: UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m)	Green	RoHS Compliant
		Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
		Warranty	5 Years

ORDERING INFO

LNP-0500G-24	5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch with 4*10/100/1000Tx (30W/Port) + 1*10/100/1000Tx, 12~36VDC Power Input
LNP-0500G-24-T	5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch with 4*10/100/1000Tx (30W/Port) + 1*10/100/1000Tx, 12~36VDC Power Input ; EOT: -40° to 75° C
Optional Accessories	
DR-75-24	75W Industrial Din Rail Power Supply (24VDC)
DR-120-24	120W Industrial Din Rail Power Supply (24VDC)
SDR-240-24	240W Industrial Din Rail Power Supply (24VDC)
DIN-RACK-2U	Din-Rail to 19" Rack Mount Adapter for all Din-Rail Mountable Products, 2U Height

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