

## 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

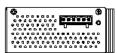


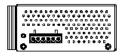
**Antaira Technologies' LNP-0500G-24 series** is an industrial gigabit PoE+ unmanaged Ethernet switch featuring 4\*10/100/1000Tx Gigabit Ethernet ports that support IEEE802.3af/at for a maximum of 30W/port and 1\*10/100/1000Tx Ethernet port. The LNP-0500G-24 is an ideal solution for rapid, unmanaged gigabit network expansion with PoE+ capabilities.

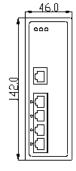
The LNP-0500G-24 series is IP30 rated and DIN-rail mountable. There are also two operating temperature models for either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 75°C). This product series also supports a low voltage power input range of 12~36VDC. 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**



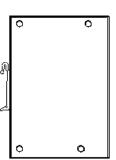














# SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3at/af PoE (Power-over-Ethernet)
Processing Type	Store and Forward
Flow Control	IEEE 802.3x back pressure flow control
Protocol	CSMA/CD
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 10.0Gbps
Transfer Rate	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet 1,488,000pps for 1000Base-T Gigabit
Packet Buffer	4 Mbits
Jumbo Frame	10.0K
MAC Table Size	8K
Port Interface	
Ethernet RJ45 Port	4*10/100/1000Tx (PSE: 30W/Port) +1*10/100/1000 auto negotiation speed, Full/Half duplex mode, and auto MDI connection
PoE Pin Out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable. EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

Mechanical Characteristics		
Housing	Metal IP30 rated	
Dimension	46 x 142 x 99 mm	
Weight	Unit: 1.6 lbs.; Shipping: 2.1 lbs.	
Mounting	DIN-Rail; Wall-Mount (optional)	
Power Requirement		
Input Voltage	12~36VDC Redundant Input	
Power Connection	1 removable 6-contact terminal block	
Overload Current Protection	Present	
Power Reverse Polarity Protection	Present	
Power Consumption	145 Watts (Full load w/PoE)	
Environmental Limits		
Operating Temperature	STD: -10 to 70°C EOT: -40 to 75°C	
Storage Temperature	-40°C ~ 85°C	
Ambient Relative Humidity	5 to 95%, (non-condensing)	
Regulatory Approvals		
EMI	FCC Class A	
EMS	IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4	
Free Fall	IEC60068-2-32	
Shock	IEC60068-2-27	
Vibration	IEC60068-2-6	
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	
<b>Optional Accessor</b>	ries	
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	

