LNP-0500G Series

5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx, 48~55VDC Power Input

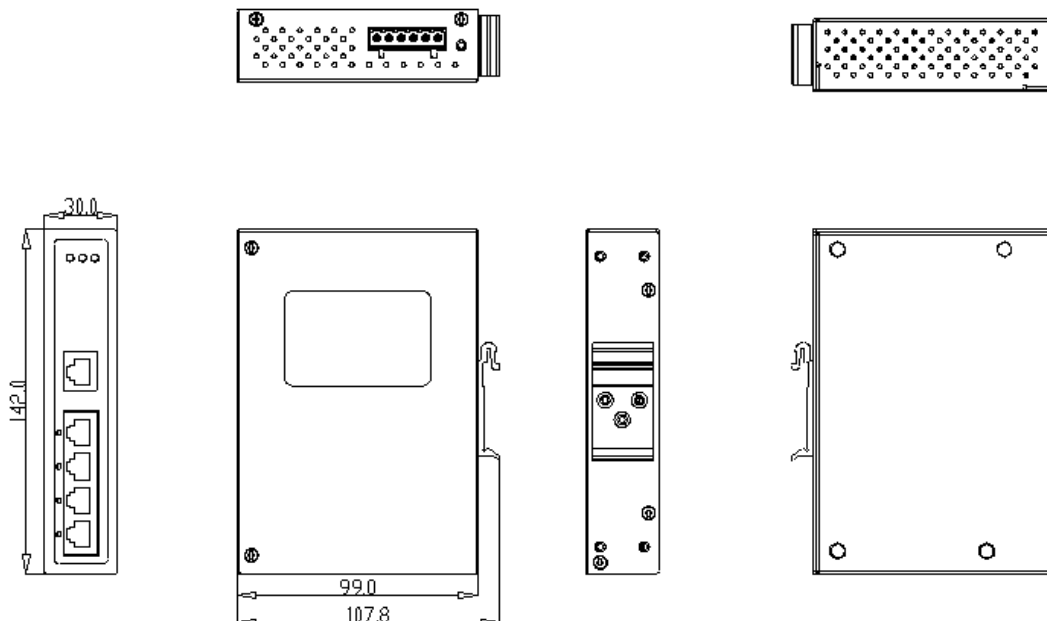## Features

► **Supports 4*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port, and 1*10/100/1000Tx Ethernet Port, Auto MDI**
► **Store-and-Forward Switching Architecture**
► **10Gbps Back-Plane (Switching Fabric)**
► **8K MAC Address Table**
► **10.0Kbytes Jumbo Frame Support**
► **Surge Protection 2,000 VDC Support**
► **ESD Protection 6,000 VDC Support**
► **Redundant Power Input Design: 48~55VDC**
► **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 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 is an ideal solution for rapid, unmanaged gigabit network expansion with PoE+ capabilities.

The LNP-0500G 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). 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	30 x 142 x 99 mm
Weight	Unit: 1.1 lbs.; Shipping: 1.6 lbs.
Mounting	DIN-Rail; Wall-Mount (optional)
Power Requirement	
Input Voltage	48~55VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Overload Current Protection	Present
Power Reverse Polarity Protection	Present
Power Consumption	110Watts@48V 130Watts@51-55V
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	5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (30W/Port) + 1*10/100/1000Tx
LNP-0500G-T	5-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 4*10/100/1000Tx (30W/Port) + 1*10/100/1000Tx; EOT:-40 to 75C
Optional Accessories	
DR-75-48	75W Industrial Din Rail Power Supply (48VDC)
DR-120-48	120W Industrial Din Rail Power Supply (48VDC)
SDR-240-48	240W Industrial Din Rail Power Supply (48VDC)
DIN-RACK-2U	Din-Rail to 19" Rack Mount Adapter for all Din-Rail Mountable Products, 2U Height