BRESSNER
A ONE STOP SYSTEMS COMPANY

ANT LNP-0500G Series

5 Ports Industrial Gigabit PoE+ UnManaged Ethernet Switch

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: -10~70C, EOT: -40~75C
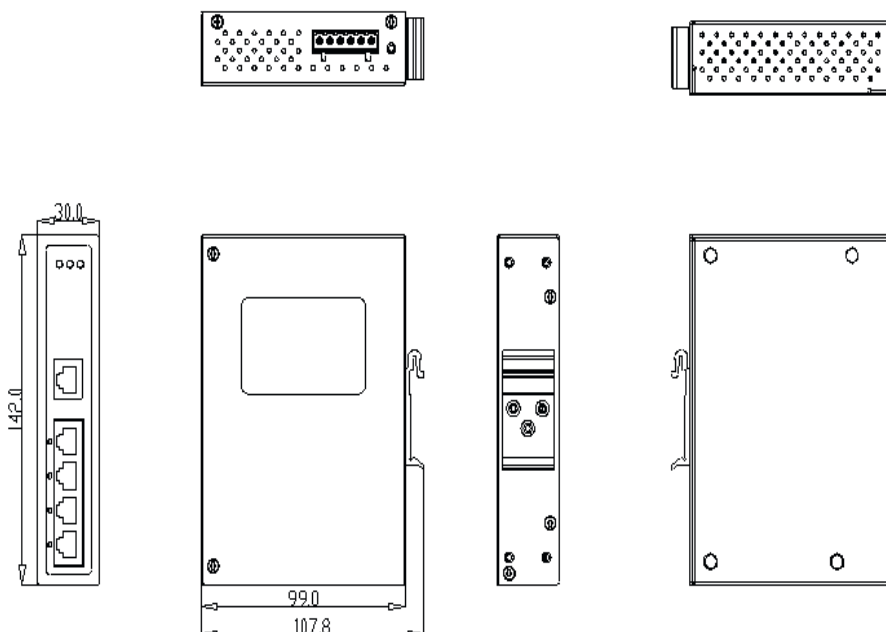- 5-Year Warranty

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

Last update: September 2020 - Specifications are subject to change without notification

ANT LNP-0500G Series

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 pin s 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-61010-2-201(pending)
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