antaira

LNP-0501 Series

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



Features

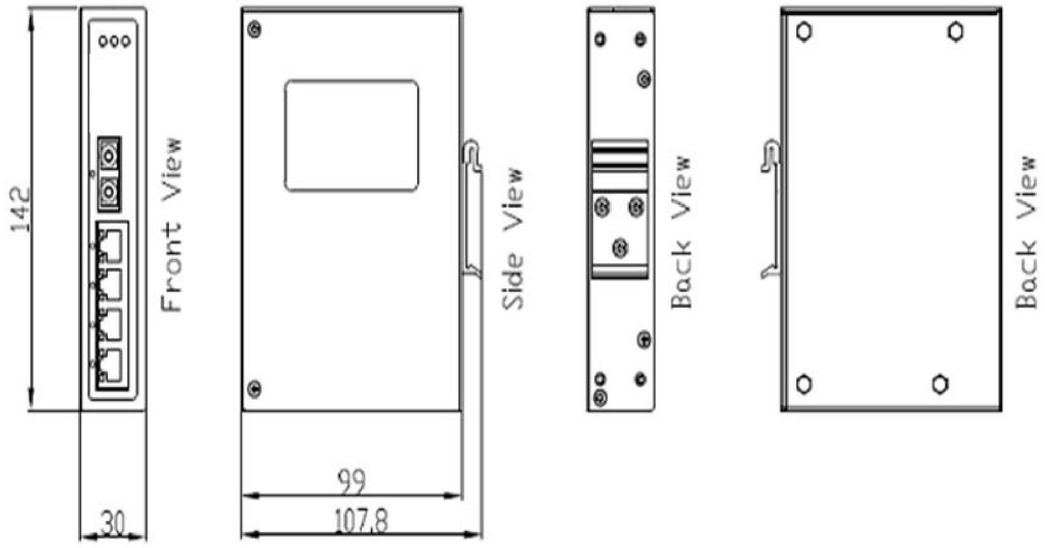
- 4-Port IEEE 802.3at Compliant PoE+ Function with 30W/Port
- 1-Port 100Fx SC/ST Type Connector (Multi-mode 2Km, Single-Mode 30Km)
- Supports Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- 2K MAC Address Table
- Surge Protection: 2,000 VDC Support
- ESD Protection: 6,000 VDC Support
- 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
- Operating Temperature Range - STD: -10° to 70°C, EOT: -40° to 75°C
- 5-Year Warranty

INTRODUCTION

Antaira Technologies' LNP-0501 series is an industrial PoE+ unmanaged Ethernet switch featuring 4*10/100Tx Fast Ethernet RJ45 ports and 1*100Fx fiber port with SC or ST type connectors and an option for multi-mode (2Km) or single-mode (30Km). Each Ethernet 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-0501 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). It also provides Ethernet connectivity with PoE functions and a fiber connection 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 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3at PoE+
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Jumbo Frame	-
MAC Table Size	2K
Interface	
Ethernet Port	4*RJ45 Ports w/10/100Tx (PSE: 30W/Port)
Fiber Port	1*100Fx (SC/ST); Multi-mode 2Km, Single-mode 30Km
Wavelength	1310nm
PoE Pin Out	V+, V+, V-, V- for pins 1,2,3,6 Endspan, MDI Alternative A
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5 100Base Tx: 2-pair UTP/STP Cat. 5
Mechanical Characteristics	
Housing	Metal, IP30 Protection
Dimensions	30 x 142 x 99 mm
Weight	Unit: 1.1 lbs; Shipping: 1.45 lbs
Mounting	DIN-Rail or Wall mounting

Power Requirement	
Input Voltage & Power Connection	48~55VDC, 6-Pin Terminal Block Redundant Input
Reverse Polarity Protection	Reverse Polarity Protection
Overload Current Protection	Present
PoE Power Output	25W@48VDC (per PoE port); 30W@51~55VDC (per PoE port)
Power Consumption	110W@48VDC; 130W@51~55VDC
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	IEC6100-4-2,3,4,5,6,8 IEC6100-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-0501-M	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), SC Connector
LNP-0501-M-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), SC Connector; EOT: -40 to 75˚C
LNP-0501-ST-M	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), ST Connector
LNP-0501-ST-M-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Multi-mode Fiber (2Km), ST Connector; EOT: -40 to 75˚C
LNP-0501-S3	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), SC Connector
LNP-0501-S3-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), SC Connector; EOT: -40 to 75˚C
LNP-0501-ST-S3	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), ST Connector
LNP-0501-ST-S3-T	5-Port Industrial PoE+ Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) + 1*100Fx Single-mode Fiber (30Km), ST Connector; EOT: -40 to 75˚C
Optional Accessories	
DR-45-24	45W Industrial Din-Rail Power Supply (24VDC)
DR-75-24	75W Industrial Din-Rail Power Supply (24VDC)
SDR-120-24	120W Industrial Din-Rail Power Supply (24VDC)
SDR-240-24	240W Industrial Din-Rail Power Supply (24VDC)

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