LNP-0500-24

5-Port Industrial PoE+ UnManaged Ethernet Switch

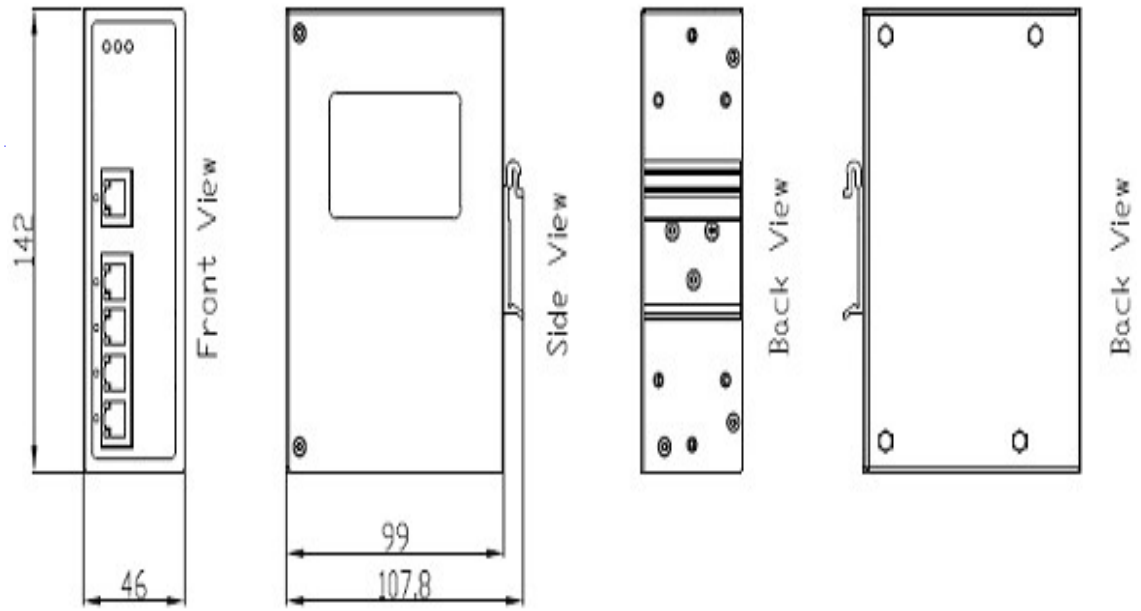
- 4*10/100Tx (30W/Port) + 1*10/100Tx, 12~36VDC power input



Features

- Network broadcast storm protection
- 4-Port IEEE 802.3at compliant PoE+ Function with 30W/Port
- 1-Port 10/100Tx Fast Ethernet
- 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 - 12~36VDC
- Built-in 1 relay output for Port Break Alarm
- IP30 Rugged Aluminum Case Design
- DIN-Rail and Wall Mount support
- Operating Temperature range - STD: -10° to 70° C, EOT: -40° to 75° C
- 5-Year Warranty

Dimensions (unit = mm)



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Specifications

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3at Power over Ethernet
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
MAC Table size	2K
Interface	
RJ45 Ports	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 4*10/100Tx (PoE+) + 1*10/100Tx
PoE Pin Out	V-, V-, V+, V+ for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
Power Requirements	
Input Voltage	12~36VDC, Redundant Input
Overload Current Protection	Slow-Blown Fuse
Connection	1 removable 4-contact terminal block
Reverse Polarity Protection	Yes
PoE Power Output	30W @ 53VDC (per PoE port)
Power Consumption	145 Watts @ 12~36VDC
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 142 x 99 mm (1.81 x 5.59 x 3.90 in.)
Weight	Unit Weight: 1.68 lbs. Shipping Weight: 2.0 lbs
Mounting	DIN-Rail mounting, wall mounting (optional)
Environmental Limits	
Operating Temperature	STD: -10° to 70° C (14° to 158° F); EOT: -40° to 75° C (-40° to 167° F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN6100-4-2; EN6100-4-3; EN6100-4-4; EN6100-4-5; EN6100-4-6; EN6100-4-8 EN6100-6-2; EN6100-6-4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL508 (Pending)
Warranty	5 Years

Ordering Information

LNP-0500-24	5-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch - with 4*10/100Tx (30W/Port) + 1*10/100Tx, 12~36VDC Input
LNP-0500-24-T	5-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch - with 4*10/100Tx (30W/Port) + 1*10/100Tx, 12~36VDC Input, EOT: -40° to 75° C

Optional Accessories

DR-45-24	45W Industrial Din Rail Power Supply
DR-75-24	75W Industrial Din Rail Power Supply
SDR-120-24	120W Industrial Din Rail Power Supply
SDR-240-24	240W Industrial Din Rail Power Supply