

# Lanolinx LNP-500A-24

5-Port 10/100BaseTX with 4 PoE Injector Industrial Switch

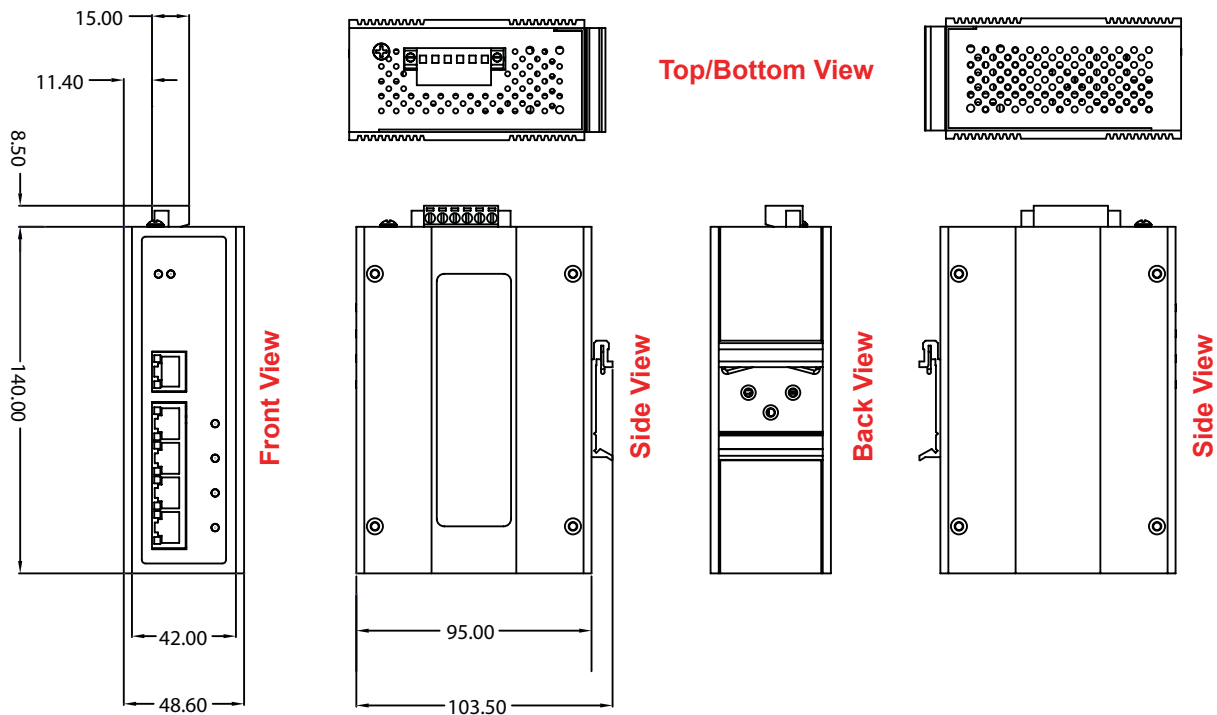


## Features

- ▶ RJ-45 Port Supports Auto MDI/MDI-X Function
- ▶ Embedded 4-Port PoE Injector Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 1.0Gbps Back-Plane (Switching Fabric)
- ▶ 448Kbits Memory Buffer
- ▶ 2K MAC Address Table
- ▶ Provides EFT Protection 3000 VDC for Power Line
- ▶ Supports 6000 VDC Ethernet ESD Protection
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail and Wall Mount Design
- ▶ UL Class I, Division 2 Certified (-T Model Only)
- ▶ UL-508 Certified
- ▶ 5-Year Warranty



## ▶ Dimensions (unit = mm)



## ► Specifications

### Standard

IEEE 802.3 10BaseT Ethernet  
IEEE 802.3u 100BaseTX Fast Ethernet  
IEEE 802.3x Flow Control and Back-Pressure  
IEEE 802.3af Power over Ethernet

### Protocol

CSMA/CD

### 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

### Memory Buffer

448 Kbits

### MAC Address

2K MAC Address Table

### LED

Unit: Power 1, Power 2, Fault  
Port: Link/Activity, Full-Duplex/Collision  
PoE: Feeding Power

### Connector

5 x 10/100TX RJ-45 with Auto MDI/MDI-X Function  
Supports 4 PoE Injector Function

### PoE Pin Assignment

RJ-45 Ports 1 - 4 Supports IEEE 802.3af End-Point, Alternative A Mode  
Positive (VCC+): RJ-45 Pin 1, 2  
Negative (VCC-): RJ-45 Pin 3, 6  
Data (1, 2, 3, 6)

### Network Cable

10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)  
100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)

### Power Input

DC 24 ~ 48V Redundant Power

### Power Output

15.4W @ 48VDC (per PoE port)

### Power Consumption

62.5 Watts @ 48V / 67 Watts @ 24V  
Full Load with PoE

### ESD Protection

6,000VDC

### Surge Protection

3,000VDC

### Overload Current Protection

0.539A @ 24VDC

### Mechanical

Casing: IP30 Metal Case  
Dimension (W x H x D): 48.6 x 140 x 95 mm (1.91 x 5.51 x 3.74 in.)  
Installation: DIN-Rail/Wall Mountable

### Weight

Unit Weight: 1.5 lbs.  
Shipping Weight: 2.5 lbs.

### Operation Temperature

Standard: -10° C to 70° C (14° F to 158° F)  
Wide Operating Temperature: -40° to 80° C (-40° to 176° F)

### Operation Humidity

5% to 95% (Non-condensing)

### Storage Temperature

-40° C to 85° C

### EMI

FCC Class A  
CE EN6100-4-2/EN6100-4-3/EN6100-4-4/EN6100-4-5/EN6100-4-6  
/EN6100-4-8/EN6100-4-11/EN6100-4-12/EN6100-6-2/EN6100-6-4

### Safety

UL/cUL Class I, Division 2 (-T Model Only), UL-508, CE EN60950-1

### Stability Testing

Shock: IEC60068-2-27  
Free Fall: IEC60068-2-32  
Vibration: IEC60068-2-6

### Warranty

5-Year Warranty

## ► Ordering Information

LNP-500A-24  
LNP-500A-24-T

5-Port 10/100BaseTX w/ 4 PoE Injector Slim Industrial Ethernet Switch  
5-Port 10/100BaseTX w/ 4 PoE Injector Slim Industrial Ethernet Switch, Wide Operating Temperature

### Optional Accessories

DR-4524  
DR-75-24  
DR-120-24

45W 24VDC Industrial DIN Rail Power Supply  
75W 24VDC Industrial DIN Rail Power Supply  
120W 24VDC Industrial DIN Rail Power Supply

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