

# Lanolinx LNP-1002G

8-Port 10/100BaseTX + 2-Port 10/100/1000T/Mini-GBIC Combo w/8 PoE Injector Industrial Switch

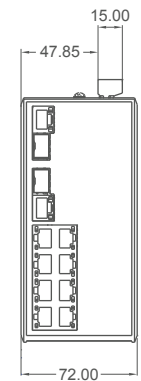


## Features

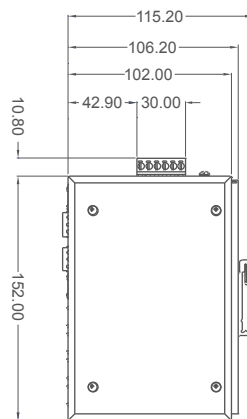
- ▶ RJ-45 Port Support Auto MDI/MDI-X Function
- ▶ Embedded 8-port PoE Injector Function
- ▶ SFP (Mini-GBIC) Supports 100/1000 Dual Mode
- ▶ Store-and-Forward Switching Architecture
- ▶ Back-Plane (Switching Fabric): 5.6Gbps
- ▶ 1Mbits Packet Buffer
- ▶ 8K MAC Address Table
- ▶ Extended Operating Temperature (-40°C to 80°C) for Harsh Environments
- ▶ Redundant Power Design
- ▶ Relay Output for Port Breakdown, Power Fail, and Alarm
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail or Panel Mountable for Easy Installation



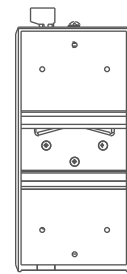
## ▶ Specifications



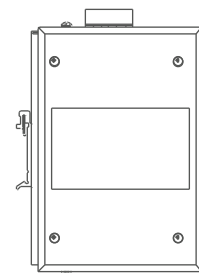
Front View



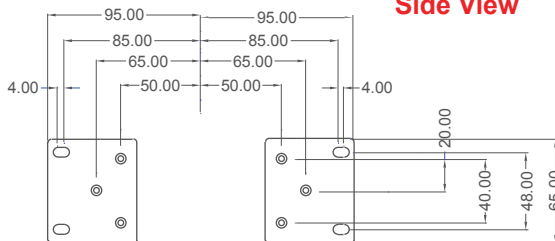
Side View



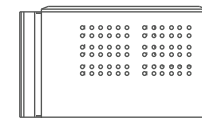
Back View



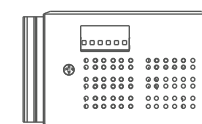
Side View



Back Plates



Bottom View



Top View

## ► Specifications

### Standard

IEEE 802.3 10BaseT Ethernet  
IEEE 802.3u 100BaseTX  
IEEE 802.3ab 1000BaseT  
IEEE 802.3z Gigabit Fiber  
IEEE 802.3x Flow Control and Back-Pressure  
IEEE 802.3af Power over Ethernet

### Protocol

CSMA/CD

### Switch Architecture

Back-Plane (Switching Fabric): 5.6Gbps  
Packet Throughput Ability (Full-Duplex): 8.3Mpps @ 64bytes

### Transfer Rate

14,880pps for Ethernet Port  
148,800pps for Fast Ethernet Port  
1,488,000pps for Gigabit Fiber Ethernet Port

### MAC Address

8K MAC Address Table

### Packet Buffer

1 Mbits

### Connectors

10/100TX: 8 x RJ-45 with Auto MDI/MDI-X Function  
10/100/1000T/Mini-GBIC Combo: 2 x RJ-45 + 2 x 100/1000 SFP Sockets

### LED

Unit: Power (Green), Power 1 (Green), Power 2 (Green), Fault (Red)  
10/100 Port: Link/Activity (Green), Full-Duplex/Collision (Yellow), Power Feeding (Green)  
Gigabit Port: Link/Activity

### Network Cable

10BaseT: UTP/STP Cat. 3, 4, 5/5E cable EIA/TIA-568 100-ohm (100m)  
100BaseTX: UTP/STP Cat. 5/5E cable EIA/TIA-568 100-ohm (100m)  
1000BaseTX: UTP/STP Cat. 5/5E cable EIA/TIA-568 100-ohm (100m)

### Optical Cable

LC (Multi-Mode): 50/125µm ~ 62.5/125µm  
LC (Single-Mode): 9/125µm ~ 10/125µm  
Available Distance: See SFP Specifications  
Wavelength: 1310nm (Multi-Mode/Single-Mode)

### PoE Pin Assignment

RJ-45 Ports #1 ~ #8 Supports IEEE 802.3af End-point, Alternative A Mode  
Per port provides 15.4W ability  
Positive (VCC+): RJ-45 Pin 1, 2  
Negative (VCC-): RJ-45 Pin 3, 6

### Relay Alarm

Provides 1 Relay Output for Port Breakdown, Power Fail, and Alarm  
Alarm Relay Current Carry Ability

### Power Supply

External Power Supply  
DC 48V, Redundant Power DC 48V and Connective Removable Terminal Block  
Max. Power 140 Watts

### Power Consumption

16.8 Watts (Max.)  
PoE Power Budget: 123.2 Watts (Max.)

### Mechanical

Casing: IP30 Metal Case  
Dimension (W x H x D): 72 x 152 x 105 mm (2.83 x 4.13 x 5.98 in.)  
Installation: DIN-Rail/Wall Mountable  
Weight: 2 lbs. (Unit Weight) / 3 lbs. (Shipping Weight)

### Operation Temperature

Standard: -10° C to 70° C (14° F to 158° F)  
Wide Operating Temperature: -40° C to 80° C (-40° F 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, 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-1002G

10-Port (8-port 10/100TX + 2-port 10/100/1000T/Mini-GBIC Combo) w/PoE Injector Industrial Ethernet Switch, Redundant Ring \*\*\*

### LNP-1002G-T

10-Port (8-port 10/100TX + 2-port 10/100/1000T/Mini-GBIC Combo) w/PoE Injector Industrial Ethernet Switch, Redundant Ring, Wide Operating Temperature \*\*\*

\*\*\* SFP MODULES SOLD SEPARATELY \*\*\*

### Optional Accessories

#### SFP-M

SFP Module, Multi-Mode, 550m

#### SFP-S10

SFP Module, Single-Mode, 10Km

#### DR-75-48

75W 48VDC Industrial DIN Rail Power Supply

### Antaira Technologies

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