

Lanolinx LNP-1002G

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

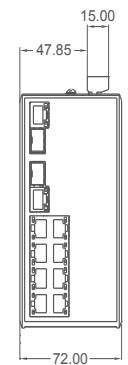


Features

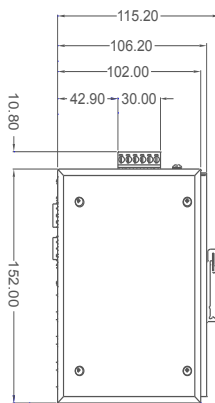
- ▶ RJ-45 Port Support Auto MDI/MDI-X Function
- ▶ Embedded 8-port PoE Injector Function
- ▶ SFP (Mini-GBIC) Supports 100/1000 Dual Mode
- ▶ Store-and-Forward Switching Architecture
- ▶ Back-Plane (Switching Fabric): 5.6Gbps
- ▶ 1Mbits Packet Buffer
- ▶ 8K MAC Address Table
- ▶ Extended Operating Temperature (-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



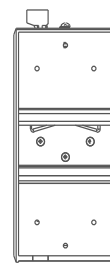
▶ Dimensions (unit = mm)



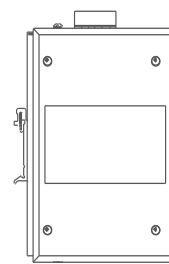
Front View



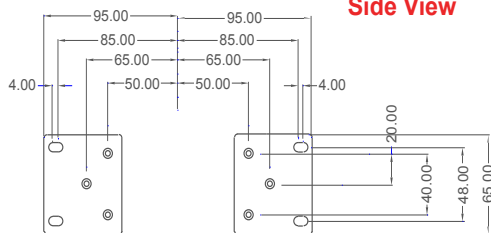
Side View



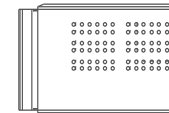
Back View



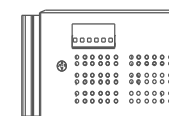
Side View



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
 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 ***
 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

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Assured Systems

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