

Lanolinx LNP-1002G

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

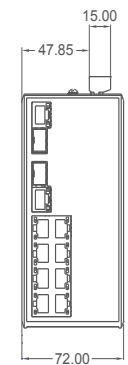


Features

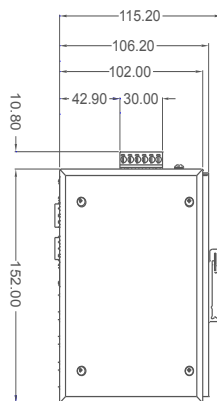
- ▶ RJ-45 Port Support Auto MDI/MDI-X Function
- ▶ Embedded 8-port PoE Injector Function
- ▶ SFP (Mini-GBIC) Supports 100/1000 Dual Mode
- ▶ Store-and-Forward Switching Architecture
- ▶ Back-Plane (Switching Fabric): 5.6Gbps
- ▶ 1Mbits Packet Buffer
- ▶ 8K MAC Address Table
- ▶ Extended Operating Temperature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



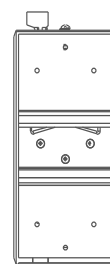
▶ Dimensions (unit = mm)



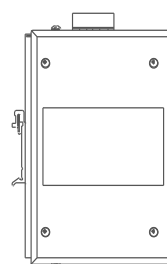
Front View



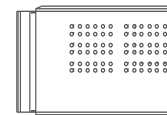
Side View



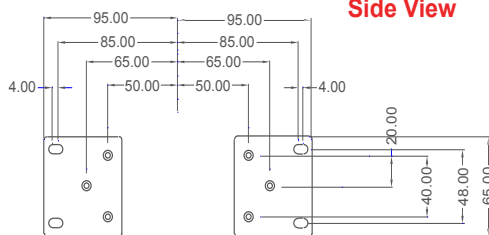
Back View



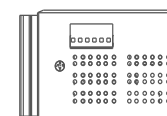
Side View



Bottom View



Back Plates



Top View

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► 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

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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