

Lanolinx LNX-1002NM-67-T

8-Port 10/100TX IP-67 + 2-Port 100FX Managed Industrial Switch

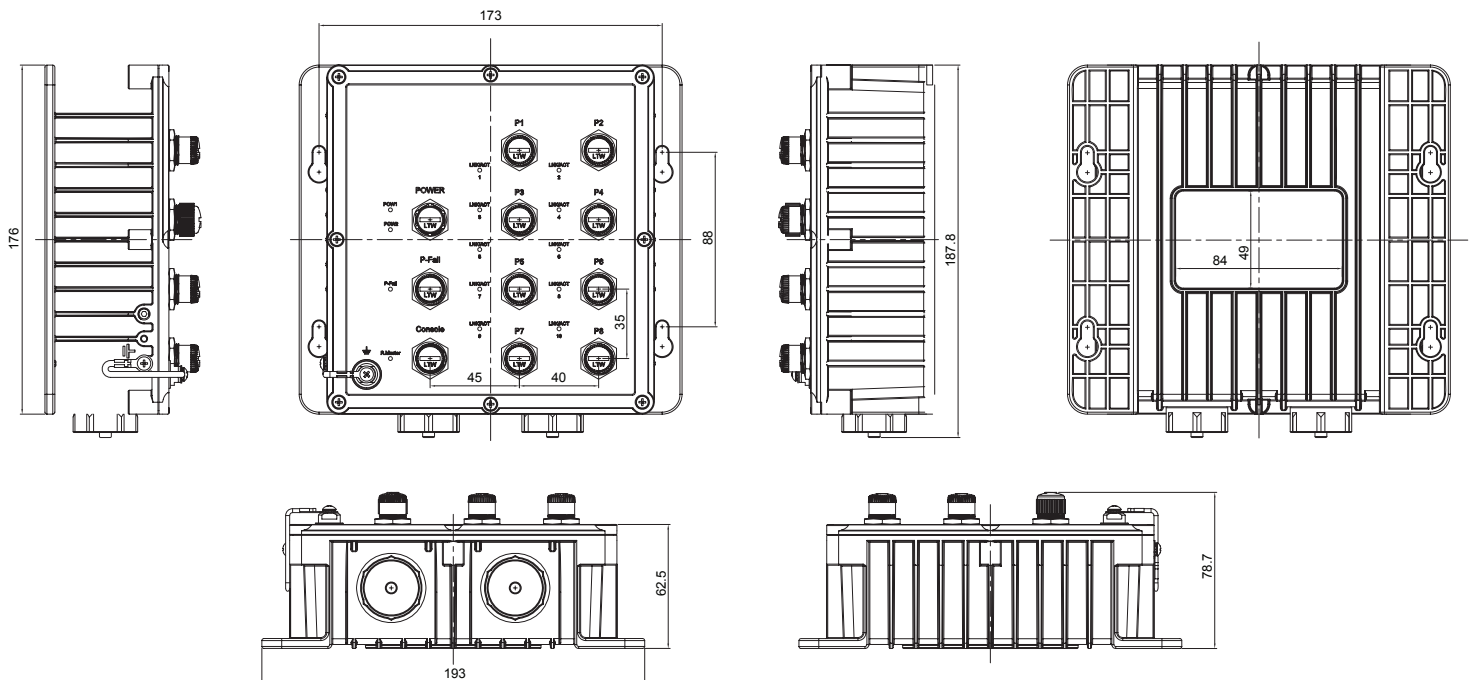


Features

- ▶ Back-Plane(Switching Fabric): 2Gbps
- ▶ Provides 100Mbps LC Type Connector
- ▶ Supports Ethernet Ring Redundancy Function
Recovery Time <10ms
- ▶ IPv6 Management
- ▶ Wide-Range Redundant Power Design
- ▶ TFTP Firmware Update and System Configuration Restoration/Backup
- ▶ EN50155 Compliant



▶ Specifications



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Standard

IEEE 802.3 10BaseT Ethernet
IEEE 802.3u 100BaseTX
IEEE 802.3x Flow Control and Back-Pressure
IEEE 802.3ad Port Trunking with LACP
IEEE 802.1d Spanning Tree / IEEE 802.1w Rapid Spanning Tree
IEEE 802.1p Class of Service
IEEE 802.1Q VLAN Tag
IEEE 802.1x User Authentication (RADIUS)

Switch Architecture

Back-Plane (Switching Fabric): 2Gbps
Packet Throughput Ability (Full-Duplex): 3.9Mpps @ 64bytes

Transfer Rate

14,880pps for Ethernet Port
148,800pps for Fast Ethernet Port

MAC Address

8K MAC Address Table

Packet Buffer

1 Mbits

Flash ROM

4 Mbytes

DRAM

32 Mbytes

Connector

10/100TX: 8 x M12, 4-pole D-coded, Female with Auto MDI/MDI-X Function
Fiber: 2 x LC type connector for single/multi-mode type fiber cable
Power Connector: 1 x M12, 5-pole A-coded, Male
P-Fail Connector: 1 x M12, 3-pole A-coded, Female
RS-232 Connector: 1 x M12, 8-pole A-coded, Female

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)

Optical Cable

Multi-Mode: 50/125µm ~ 62.5/125µm / Single-Mode: 9/125µm ~ 10/125µm
Available Distance: 2Km (Multi-Mode) / 15Km (Single-Mode)
Wavelength: 1310nm (Multi-Mode and Single-Mode)

Protocol

CSMA/CD

LED

Unit: Power 1, Power 2, P-Fail, R-Master
Ethernet Port: Link/Activity, Fiber Port: Link/Activity

Management

SNMP v1, v2c, v3, Web, Telnet, CLI

VLAN

Port Based, IEEE 802.1Q Tag and Double Tag VLAN (Q-in-Q)
Static VLAN Groups up to 256, VLAN ID from 1 to 4094
GVRP up to 256 Groups

Port Trunk with LACP

LACP Port Trunk: 4 Trunk Groups / Maximum 4 Trunk Members

LLDP

Supports LLDP/LLDP-MED (Media Endpoint Discovery)

Redundancy

Supports IEEE 802.1d Spanning Tree & IEEE 802.1w Rapid Spanning Tree
Supports Redundant Ring, Dual Homing, Couple Ring, Multi-Couple Ring Topologies
Supports up to 250 Units Max. and Recovery Time <10ms

IPv6

Supports Dual Stack for IPv4 & IPv6
Supports Plug and Play Function
IPv6 Logo Committee Certified
RFC 2460, RFC 4861, RFC 4862, RFC 1981

Quality of Service

Port, Tag, IPv4 Type of Service, IPv4 Different Service

Class of Service (IEEE 802.1p)

Provides 4 priority queues per port

Port Security

Supports 256 MAC Address Entries for Static MAC and another 256 for MAC Filter

SSL

SSL v2, v3, and TLS v1.0 Compliant

SSH

SSH v2 Compliant (Performs RFC 4252, RFC 4253, and RFC 4254)

Port Mirroring

TX, RX, or Both Packets

Multicast Filtering

Dynamic: Supports IGMP Snooping v1, v2, and MLD Snooping v1
Supports 256 Multicast Groups
Supports IGMP and MLD Query
Static: Supports 256 Multicast Groups

IP Security

Supports up to 10 IP Addresses for Secured Access

Login Security

IEEE 802.1x Authentication/RADIUS

MAC Violation

Supports MAC Violations

Bandwidth Control

Supports Ingress and Egress Packet Limit

Flow Control

Flow Control for Full-Duplex and Back Pressure for Half-Duplex

System Log

Supports System Log Record and Remote System Log Server

SMTP

Supports Simple Mail Transfer Protocol (6 eMail Accounts for Alerts)

Relay Alarm

1 Relay Output (1A @ 24VDC) for Port Breakdown, MAC Violation, & Power Fail

SNMP Trap

Up to 3 Trap Stations

DHCP

DHCP Client, DHCP Server, Port IP Binding

DNS

DNS Client Feature and Primary & Secondary DNS Server

SNTP

Supports Simple Network Time Protocol

Firmware Update

Supports TFTP Firmware Update, Backup & Restore

Configuration Upload and Download

Supports Binary Configuration File

ifAlias

Each Port allows an alphabetic string of 128byte assigned as its own unique name via the SNMP or CLI interface

Power Input

DC 12 ~ 48V, Redundant Power Inputs via M12 5-Pole A-Coded Connector w/
Reverse Polarity Protection

Power Consumption

8.1 Watts Max. @ 48VDC

Mechanical

Dimension (W x H x D): 193 x 176 x 62.5 mm (7.60 x 6.93 x 2.46 in.)
Installation: Wall-Mount Design
Weight: 2 lbs. (Unit Weight) / 3 lbs. (Shipping Weight)

Operation Temperature

Wide Operating Temperature: -40° C to 75° C (-40° F to 167° F)

Operation Humidity

5% to 95% (Non-condensing)

Storage Temperature

-40° C to 85° C

EMI

FCC Class A, CE EN61000-6-2, EN61000-6-4, EN61000-4-2, EN61000-4-3, EN61000-4-4
EN61000-4-5, EN61000-4-6, EN61000-4-8

Safety

UL-508, Class I, Division II, Groups A, B, C, and D Hazardous Location

Stability Testing

Shock: IEC61373
Free Fall: IEC60068-2-32
Vibration: IEC61373

Warranty

5-Year Warranty

► Ordering Information

LNX-1002NM-67-T

10-Port (8-port 10/100TX IP-67 + 2-port 100FX) Industrial Ethernet Switch, Redundant Ring, Managed, Multi-Mode 2KM

LNX-1002NS-67-T

10-Port (8-port 10/100TX IP-67 + 2-port 100FX) Industrial Ethernet Switch, Redundant Ring, Managed, Single-Mode 30KM

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