

Lanolinx LNX-501W

4-Port 10/100BaseTX + 1-Port 100BaseFX Managed Industrial Switch

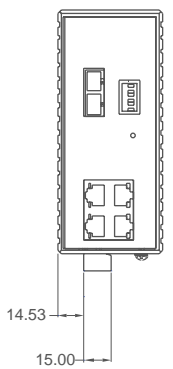


Features

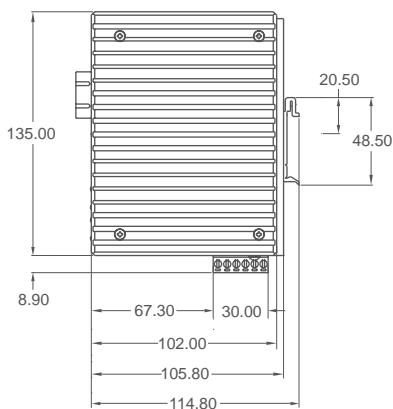
- ▶ Web Browser Configuration for Easy Setup
- ▶ Ethernet Ring Redundancy (Recovery Time <300ms)
- ▶ IEEE 802.1w Rapid Spanning Tree & IEEE 802.1d Spanning Tree Protocol
- ▶ IGMP with Query Mode for Multi-Media Applications
- ▶ Supports Port Based VLAN & IEEE 802.1Q Tag VLAN
- ▶ IEEE 802.1p Class of Service for Traffic Classification & Prioritization
- ▶ Ingress/Egress Rate Control for Bandwidth Optimization
- ▶ IP Address Security Management to Prevent Unauthorized Access
- ▶ Dual Redundant DC Power Inputs
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail or Panel Mountable for Easy Installation



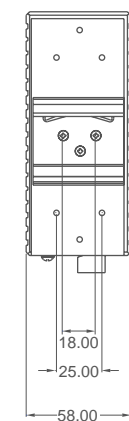
▶ Dimensions (unit = mm)



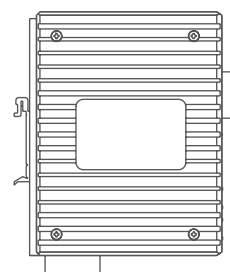
Front View



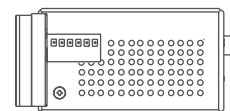
Side View



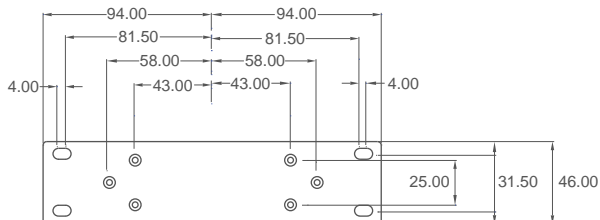
Back View



Side View



Bottom View



Back Plate



Top View

► Specifications

Standard

IEEE 802.3 10BaseT Ethernet
IEEE 802.3u 100BaseTX/100BaseFX
IEEE 802.3x Flow Control and Back-Pressure
IEEE 802.1d Spanning Tree
IEEE 802.1w Rapid Spanning Tree
IEEE 802.1p Class of Service
IEEE 802.1Q VLAN Tag

Management

Web Interface Management

Protocol

CSMA/CD

Switch Architecture

Store and Forward

Transfer Rate

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

Transfer Packet Size

64 bytes to 1522 bytes (with VLAN Tag)

Packet Filter

4 rules for different types of packet combinations

MAC Address

2K MAC Address Table

Memory Buffer

1Mb

LED

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

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

SC (Multi-Mode): 50/125 μ m ~ 62.5/125 μ m
SC (Single-Mode): 9/125 μ m ~ 10/125 μ m
Available Distance: 2KM (Multi-Mode)
30KM (Single-Mode)
20KM (Single-Mode WDM)
Wavelength: 1310nm (Multi-Mode and Single-Mode)
TX: 1310nm / RX: 1550nm (WDM-A)
TX: 1550nm / RX: 1310nm (WDM-B)

Back-Plane

1.0 Gbps

Packet Throughput Ability

1.49Mpps @ 64bytes (4TX + 1FX)

Redundant Ring

2 Ports for Ring Redundancy (< 300 ms recovery time)
Ring & Coupling Configured by Web Interface
Ringmaster by Hardware DIP Switch

VLAN

Port Based & IEEE 802.1Q Tag VLAN. Group up to 64 VLANs.

Class of Service

Provides 4 priority queues per port

Quality of Service

Port Based, Tag Based, & IPv4 Type of Service

IGMP

IGMP v1 and Query Mode. Up to 256 groups

Spanning Tree

IEEE 802.1d Spanning Tree
IEEE 802.1w Rapid Spanning Tree

SNTP

Supports Simple Network Time Protocol

Management IP Security

Supports IP Address Security

Port Mirror

Supports TX packet only or TX & RX packets

Firmware Update

Supports TFTP Firmware Update, Config. Backup & Restore

DHCP Client

Provides DHCP Client function to obtain IP Address from DHCP Server

Bandwidth Control

Supports Ingress and Egress packet limit

Alarm

Provides 1 relay output (1A @ 24VDC) for port breakdown and power fail

Power Supply

Input Voltage: 12 to 48 VDC & 1 DC jack for AC/DC Power Adapter
2 sets of wide range DC power with reverse polarity protection

Power Consumption

3.5 Watts

Mechanical

Casing: IP30 Metal Case
Dimension (W x H x D): 58 x 135 x 105 mm (2.28 x 5.31 x 4.13 in.)
Installation: DIN-Rail/Wall Mountable

Weight

Unit Weight: 1.5 lbs.
Shipping Weight: 2.3 lbs.

Operation Temperature

Standard: -10° C to 70° C (14° F to 158° 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

Safety

UL, cUL, CE EN60950

Stability Testing

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

Warranty

5-Year Warranty

► Ordering Information

LNX-501WM

5-Port (4-port 10/100TX + 1-port 100FX) Industrial Switch, Redundant Ring, Web-Managed, Multi-Mode Fiber 2 Km

LNX-501WS3

5-Port (4-port 10/100TX + 1-port 100FX) Industrial Switch, Redundant Ring, Web-Managed, Single-Mode Fiber 30 Km

LNX-501WWA-S2

5-Port (4-port 10/100TX + 1-port 100FX) Industrial Switch, Redundant Ring, Web-Managed, Single-Mode WDM Fiber 20 Km, TX:1310nm/RX:1550nm

LNX-501WWA-S2

5-Port (4-port 10/100TX + 1-port 100FX) Industrial Switch, Redundant Ring, Web-Managed, Single-Mode WDM Fiber 20 Km, TX:1550nm/RX:1310nm

Optional Accessories

DR-4524

45W 24VDC Industrial DIN Rail Power Supply

DR-75-24

75W 24VDC Industrial DIN Rail Power Supply

DR-120-24

120W 24VDC Industrial DIN Rail Power Supply

CBF-SC01ST-MD

SC to ST Multi-Mode, Duplex Fiber Cable (1 Meter)

CBF-SC01SC-MD

SC to SC Multi-Mode, Duplex Fiber Cable (1 Meter)

CBF-SC01SC-SS

SC to SC Single-Mode, Simplex Fiber Cable (1 Meter)

AD-SCM-STF-M

SC (Male) to ST (Female) Duplex Adapter (Multi-Mode)

AD-SCM-STF-S

SC (Male) to ST (Female) Duplex Adapter (Single-Mode)

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