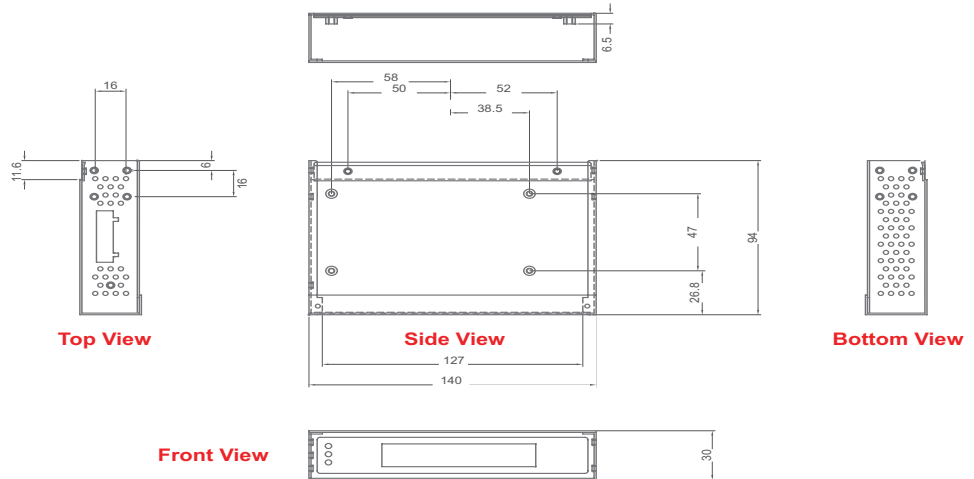


Industrial Ethernet Switch

LNX-800A 8-Port Industrial Ethernet Switch



8-Port 10/100BaseTX RJ45 ♦ Auto MDI/MDI-X Function ♦ 2K MAC Address Table

Description

Introduction

The LNX-800A unmanaged industrial switch is a cost-effective solution and meets the high reliability requirements demanded by industrial applications.

High-Speed Transmissions

The LNX-800A includes a switch controller that can automatically sense transmission speeds (10/100 Mbps). The RJ45 interface can also be auto-detected, so MDI or MDI-X is automatically selected and a crossover cable is not required. All Ethernet ports have memory buffers that support the store-and-forward mechanism. This assures that data is properly transmitted.

Dual Power Input

To reduce the risk of power failure, the LNX-800A provides +12 to 48 V DC dual power inputs. If there is a power failure, the LNX-800A will automatically switch to the secondary power input.

Flexible Mounting

The LNX-800A is extremely compact and can be mounted on a DIN-rail or a panel, so it is suitable for any space-constrained environment.

Advanced Protection

The power line of LNX-800A supports up to 3,000 V DC EFT protection, which secure equipment against unregulated voltage and make systems safer and more reliable. Meanwhile, 4,000 V DC ESD protections for Ethernet ports make the LNX-800A more suitable for harsh environments.

Extended Operating Temperature

The operating temperature of the LNX-800A is between -40 to 80°C. With such a wide range, you can use the LNX-800A in some of the harshest industrial environments that exist.

Easy Troubleshooting

LED indicators make troubleshooting quick and easy. Each 10/100 Base-TX port has 2 LEDs that display the link status, transmission speed and collision status. Also the three power indicators P1, P2 and Fault help you diagnose immediately.

Key Features & Benefits

- RJ45 Port Supports Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- 2K MAC Address Table
- Wide-Range Redundant Power Design
- Power Polarity Reserve Protect
- Overload Current Resettable Fuse Present
- Provides Broadcast Storm Protection
- Provides EFT Protection 3000 V DC for Power Line
- Supports 4000 V DC Ethernet ESD Protection
- UL Class I, Division 2 Certified
- IP30 Rugged Aluminum Case Design
- DIN-Rail and Wall Mount Design
- 5-Year Warranty

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Industrial Ethernet Switch

LNX-800A 8-Port Industrial Ethernet Switch



Performance Specifications

Technology

Standards

IEEE 802.3 10BaseT Ethernet
IEEE 802.3u 100BaseTX Fast Ethernet
IEEE 802.3x Flow Control and Back-Pressure

Protocol
CSMA/CD

Switch Properties

Switch Architecture
Store and Forward

Transfer Rate

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

MAC Address

2K MAC Address Table

Memory Buffer

448 Kbits

LED

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

Connector

8 x 10/100TX RJ45 with Auto MDI/MDI-X Function

Interface

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)

Back-Plane

1.6 Gbps

Packet Throughput Ability

2.38Mpps @ 64bytes

Power

Power Supply

DC 12 to 48V, Redundant Power with Polarity Reverse
Protect Function and Removable Terminal Block

Power Consumption

4.71 Watts

Reverse Polarity Protection

Present

Overload Current Protection

Present

Mechanical

Casing

IP30 Metal Case

Dimensions

30 x 140 x 95 mm (1.18 x 5.51 x 3.74 inches.)
(W*H*D)

Installation

DIN-Rail/Wall Mountable

Weight

Unit Weight: 1 lbs.
Shipping Weight: 1.5 lbs.

Environmental

Operation Temperature

-40°C to 80° C (-40° to 176° F)

Operation Humidity

5% to 95% (Non-condensing)

Storage Temperature

-40°C to 85° C (-40° to 185° F)

Approvals

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 Class I, Division 2

CE EN60950-1

Shock

IEC60068-2-27

Free Fall

IEC60068-2-32

Vibration

IEC60068-2-6

Ordering Information

Models

LNX-800A-T

8-port 10/100 BaseTX Slim Industrial Ethernet Switch,
-40 to 80°C Operating Temperature

Accessories

IMC-100A-M-T

Industrial Media Converter, Multi-Mode Fiber, SC,
2 Km, Extended Temperature Range

IMC-100A-S3-T

Industrial Media Converter, Single-Mode Fiber, SC,
30 Km, Extended Temperature Range

Related Products

Ethernet I/O Modules

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Power Supplies

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ISO9001
AS9100

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