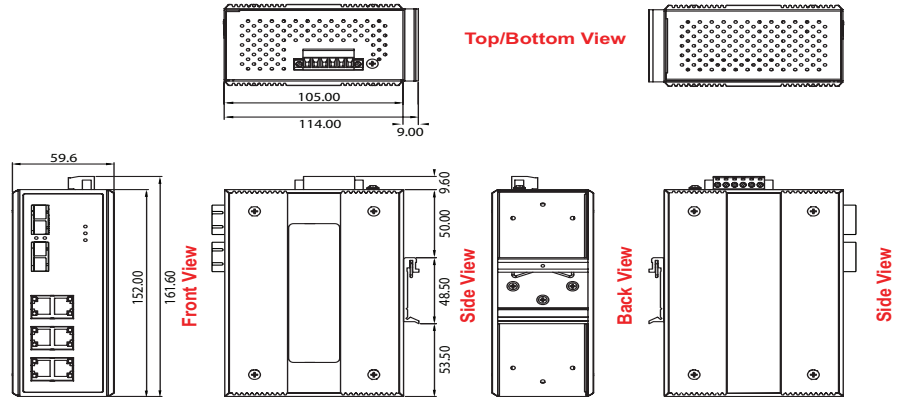




Industrial Ethernet Switch

LNX-802AG 6-Port 10/100/1000T + 2-Port Gigabit Fiber Switch



6-port 10/100/1000T + 2-port Gb Fiber ♦ Auto MDI/MDI-X Function ♦ 8K MAC Address Table

Description

The LNX-802AG series industrial unmanaged Ethernet switch and is IP30 rated and DIN-Rail mountable. Each unit is designed with 6-Port 10/100/1000T plus 2 gigabit fiber Ethernet ports.

The LNX-802AG fiber ports allows users to extend the connection distance to increase the network flexibility and performance.

This rugged industrial switch features extended operating temperature range of -40 to 75°C and is designed for industrial automation, outdoor applications and harsh weather environments.

Key Features & Benefits

- RJ45 Port Supports Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- 16Gbps Back-Plane (Switching Fabric)
- Supports Jumbo Frame up to 9K Bytes
- 8K MAC Address Table
- Wide-Range Redundant Power Design
- UL Class I, Division 2 Certified
- IP30 Rugged Aluminum Case Design
- DIN-Rail and Wall Mount Design
- 5-Year Warranty

Performance Specifications

Technology

Standards

- IEEE 802.3 10BaseT Ethernet
- IEEE 802.3u 100BaseTX
- IEEE 802.3ab 1000BaseT
- IEEE 802.3z 1000BaseFX
- IEEE 802.3x Flow Control and Back-Pressure

Protocol

CSMA/CD

Switch Properties

Switch Architecture

Store and Forward

Jumbo Frame

Up to 9K bytes

Transfer Rate

- 14,880pps for Ethernet Port
- 148,800pps for Fast Ethernet Port
- 1,488,000pps for Gigabit Ethernet Port

MAC Address

8K MAC Address Table

Back-Plane

16Gbps

LED

Unit: Power 1, Power 2, P-Fail, Link/Activity for Fiber Port: Link/Activity, Speed

Connector

- 10/100/1000T: 6 x RJ45
- 1000FX: 2 x SC Connectors





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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)

Optical Cable

SC/ST (Multi-Mode): 50/125µm ~ 62.5/125µm

SC (Single-Mode): 9/125µm

Available Distance: 2KM (Multi-Mode), 10KM (Single-Mode)

Wavelength: 810nm/1310nm (Multi-Mode/ Single-Mode)

Power

Power Supply

DC 12 to 48V, Redundant Power and Removable Terminal Block

AC 24V(18 to 30V)

Power Consumption

9.3 Watt (Max)

Mechanical

Casing

IP30 Metal Case

Dimensions

59.6 x 152 x 105 mm (2.35 x 5.98 x 4.13 inches.) (W*H*D):

Installation

DIN-Rail/Wall Mountable

Environmental

Operation Temperature

-40° to 75° C (-40° to 167°F)

Operation Humidity

5% to 95% (Non-Condensing)

Storage Temperature

-40°C to 185°F

Regulatory

EMC

FCC Class A

EN61000-6-4

EN61000-6-2

EN61000-4-2 (ESD)

EN61000-4-3 (Radiated RFI)

EN61000-4-4 (Burst)

EN61000-4-5 (Surge)

EN61000-4-6 (Induced RFI)

EN61000-4-8 (Magnetic Field)

EN61000-4-11 (Voltage Dip)

EN61000-4-12 (Oscillatory waves)

EN61000-3-2 (Harmonics Current)

EN61000-3-3 (Voltage Fluctuation & Flickers)

Safety

UL/cUL-508, Class I / Division 2

Stability Testing

Shock:

IEC60068-2-27

Free Fall:

IEC60068-2-32

Vibration:

IEC60068-2-6

Ordering Information

Models

LNX-802AG-M-T

6-Port 10/100/1000T + 2-Port Gigabit Fiber Industrial Ethernet Switch, SC Multi-Mode, 2KM, -40° to 75°C Operating Temperature

LNX-802AG-S10-T

6-Port 10/100/1000T + 2-Port Gigabit Fiber Industrial Ethernet Switch, SC Single-Mode, 10KM, -40° to 75°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

www.acromag.com/ethernetio

Power Supplies

www.acromag.com/powersupplies

Mounting Hardware

www.acromag.com/mounting

ISO9001
AS9100



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