

# LNx-800AG

8-Port Industrial Gigabit Unmanaged Ethernet Switch

- w/8\*10/100/1000Tx



## Features

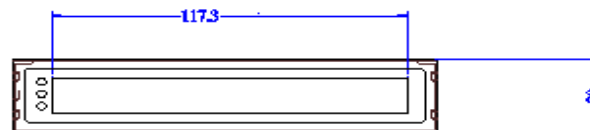
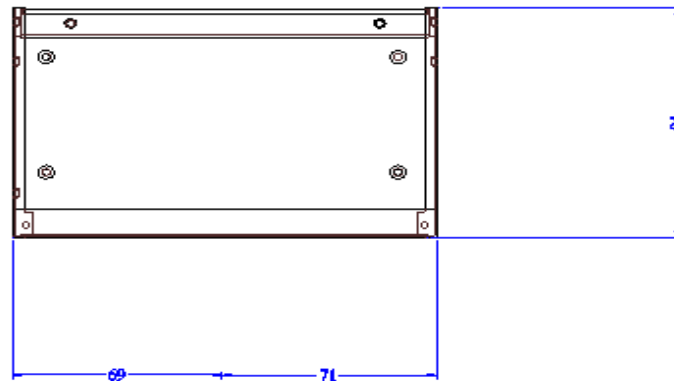
- ▶ Network Broadcast Storm Protection
- ▶ 8-Ports 10/100/1000Tx Fast Ethernet
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 16Gbps Back-Plane (Switching Fabric)
- ▶ 8K MAC Address Table
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Surge Protection: 3,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design – 12~48VDC
- ▶ Built-in 1 Relay Output for Port Break Alarm
- ▶ IP30 Rugged Aluminum Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range - STD: -10° to 70° C, EOT: -40° to 75° C
- ▶ 5-Year Warranty



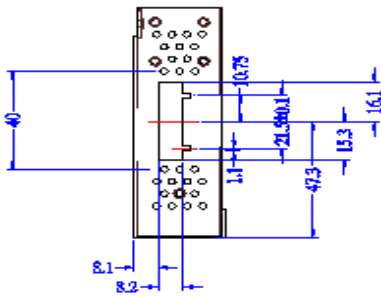
## ▶ Dimensions (unit = mm)



Side View



Bottom View



Top View

Front View

## ► Specifications

### Technology

<b>Standards</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT
<b>Processing Type</b>	Store and Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control

### Switch Properties

<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 16Gbps Packet Throughput Ability (Full-Duplex): 23.8 Mpps @ 64bytes
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
<b>Broadcast Storm Rate Limit</b>	3,965pps (default)
<b>Memory Buffer</b>	176 Kbits
<b>Jumbo Frame</b>	9.6Kbytes
<b>MAC Table Size</b>	8K

### Interface

<b>RJ45 Ports</b>	8*10/100/1000BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>Network Cable</b>	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)

### Power Requirements

<b>Input Voltage</b>	12~48VDC, Redundant Input
<b>Overload Current Protection</b>	Resettable Fuse, 1.6A
<b>Connection</b>	1 removable 6-contact terminal block
<b>Reverse Polarity Protection</b>	Yes
<b>Power Consumption</b>	7.778 Watts @12VDC; 7.392 Watts @ 48VDC

### Mechanical Characteristics

<b>Housing</b>	Metal, IP30 protection
<b>Dimensions</b>	30 x 140 x 95 mm (1.18 x 5.51 x 3.74 in.)
<b>Weight</b>	Unit Weight: 1-lbs. Shipping Weight: 1.5 lbs
<b>Mounting</b>	DIN-Rail mounting, wall mounting (optional)

### Environmental Limits

<b>Operating Temperature</b>	STD: -10° to 70° C (14° to 158° F); EOT: -40° to 75° C (-40° to 167° F)
<b>Storage Temperature</b>	-40°C ~ 85°C (-40°F ~ 185°F)
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)

### Regulatory Approvals

<b>EMI</b>	FCC Class A
<b>EMS</b>	EN6100-4-2 (ESD), EN6100-4-3 (RS), EN6100-4-4 (EFT), EN6100-4-5 (Surge), EN6100-4-6 (CS), EN6100-4-8, EN6100-4-11, EN6100-4-12, EN6100-6-2, EN6100-6-4
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Green</b>	RoHS Compliant
<b>Certifications</b>	FCC, CE, UL, UL Class 1 Div.2
<b>Warranty</b>	5 Years

## ▶ Ordering Information

<b>LNX-800AG</b>	8-Port Industrial Gigabit Unmanaged Ethernet Switch - w/8*10/100/1000Tx
<b>LNX-800AG-T</b>	8-Port Industrial Gigabit Unmanaged Ethernet Switch - w/8*10/100/1000Tx; EOT: -40° to 75° C

### Optional Accessories

<b>DR-45-24</b>	45W Industrial Din Rail Power Supply
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