

## LNX-0501 Series

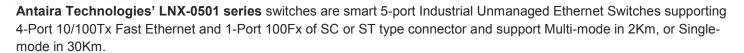
5-Port Industrial Unmanaged Ethernet Switch, with 4\*10/100Tx and 1\*100Fx, 12~48VDC Power Input



#### **Features**

- ► Network Broadcast Storm Protection
- ► 4-Port 10/100Tx Fast Ethernet
- ▶ 1-Port 100Fx SC/ST Type Connector (Multi / Single Mode)
- ► Supports Auto MDI/MDI-X Function
- ► Store-and-Forward Switching Architecture
- ► 2K MAC Address Table
- ► Surge Protection: 2,000 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 Metal Case Design
- ► DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: STD: -10° to 70°C, EOT: -40° to 75°C
- ► 5-Year Warranty

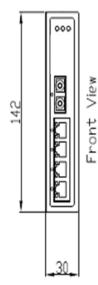
#### INTRODUCTION

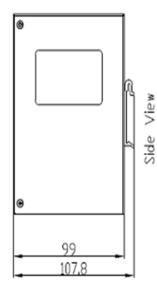


The LNX-0501 series switches support 12~48VDC power inputs. This series of switches offer an Extended Operating Temperature model (w/-T) which supports -40°C ~ 75°C. It supports IEEE 802.3/802.3u/802.3x with 10/100BTx, full or half duplex, MDI/MDI-X auto sensing to provide an economical solution for the Industrial Ethernet Network.

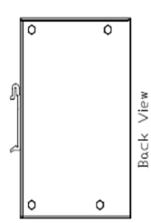
In addition, the Network Broadcast Storm Protection and built-in relay warning function alerts network engineers when power failures or port breaks occur.

#### **DIMENSIONS**











# SPECIFICATIONS

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Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure
Processing Type	Store-and-Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
MAC Table Size	2K
Interface	
Ethernet Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 4*10/100Tx
Fiber Port	1*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um ~ 62.5/125um, Single-mode (30Km) - 9/125um ~ 10/125um
Fiber Wavelength	1310nm (Multi-Mode and Single-Mode)
Power Requirement	
Input Voltage	12~48VDC, Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Yes
Overload Current Protection	Slow-Blown Fuse
Power Consumption	6.5 Watts

Mechanical Character	ristics
Housing	Metal, IP30 protection
Dimensions	30 x 142 x 99 mm
Weight	Unit: 1.1 lbs. Shipping: 1.45 lbs.
Mounting	DIN-Rail, Wall mounting (optional)
<b>Environmental Limits</b>	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN61000-4-2,3,4,5,6,8 EN61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 508, UL Class 1 Division 2
Warranty	5 Years

### **ORDERING INFO**

LNX-0501-M	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), SC Connector
LNX-0501-M-T	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), SC Connector; EOT: -40° to 75°C
LNX-0501-ST-M	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), ST Connector
LNX-0501-ST-M-T	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Multi-Mode Fiber (2Km), ST Connector; EOT: -40° to 75°C
LNX-0501-S3	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), SC Connector
LNX-0501-S3-T	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), SC Connector; EOT: -40° to 75°C
LNX-0501-ST-S3	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), ST Connector
LNX-0501-ST-S3-T	5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 1*100Fx Single-Mode Fiber (30Km), ST Connector; EOT: -40° to 75°C
Optional Accessories	
DR-45-24	45W Industrial DIN-Rail Power Supply