

# 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

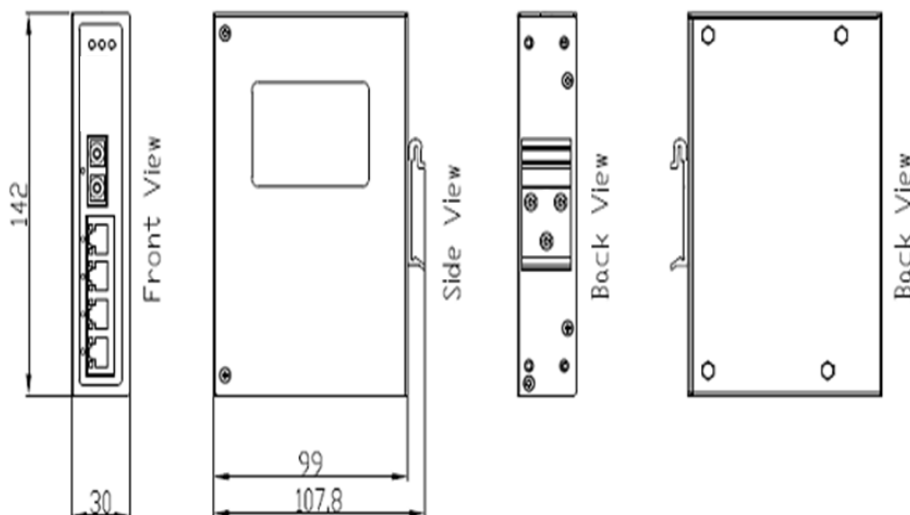
## INTRODUCTION

Antaira Technologies' LNX-0501 series switches are smart 5-port Industrial Unmanaged Ethernet Switches supporting 4-Port 10/100Tx Fast Ethernet and 1-Port 100Fx of SC or ST type connector and support Multi-mode in 2Km, or Single-mode in 30Km.

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

Technology		Mechanical Characteristics	
<b>Standards</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure	<b>Housing</b>	Metal, IP30 protection
<b>Processing Type</b>	Store-and-Forward	<b>Dimensions</b>	30 x 142 x 99 mm
<b>Protocol</b>	CSMA/CD	<b>Weight</b>	Unit: 1.1 lbs. Shipping: 1.45 lbs.
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control	<b>Mounting</b>	DIN-Rail, Wall mounting (optional)
Switch Properties		Environmental Limits	
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes	<b>Operating Temperature</b>	STD: -10° to 70°C EOT: -40° to 75°C
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port	<b>Storage Temperature</b>	-40°C ~ 85°C
<b>MAC Table Size</b>	2K	<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
Interface		Regulatory Approvals	
<b>Ethernet Port</b>	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 4*10/100Tx	<b>EMI</b>	FCC Class A
<b>Fiber Port</b>	1*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um ~ 62.5/125um, Single-mode (30Km) - 9/125um ~ 10/125um	<b>EMS</b>	EN61000-4-2,3,4,5,6,8 EN61000-6-2,4
<b>Fiber Wavelength</b>	1310nm (Multi-Mode and Single-Mode)	<b>Free Fall Shock</b>	IEC60068-2-32 IEC60068-2-27
Power Requirement		<b>Vibration</b>	IEC60068-2-6
<b>Input Voltage</b>	12~48VDC, Redundant Input	<b>Green</b>	RoHS Compliant
<b>Power Connection</b>	1 removable 6-contact terminal block	<b>Certifications</b>	FCC, CE, UL 508, UL Class 1 Division 2
<b>Reverse Polarity Protection</b>	Yes	<b>Warranty</b>	5 Years
<b>Overload Current Protection</b>	Slow-Blown Fuse		
<b>Power Consumption</b>	6.5 Watts		

## ORDERING INFO

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

## Assured Systems

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