

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

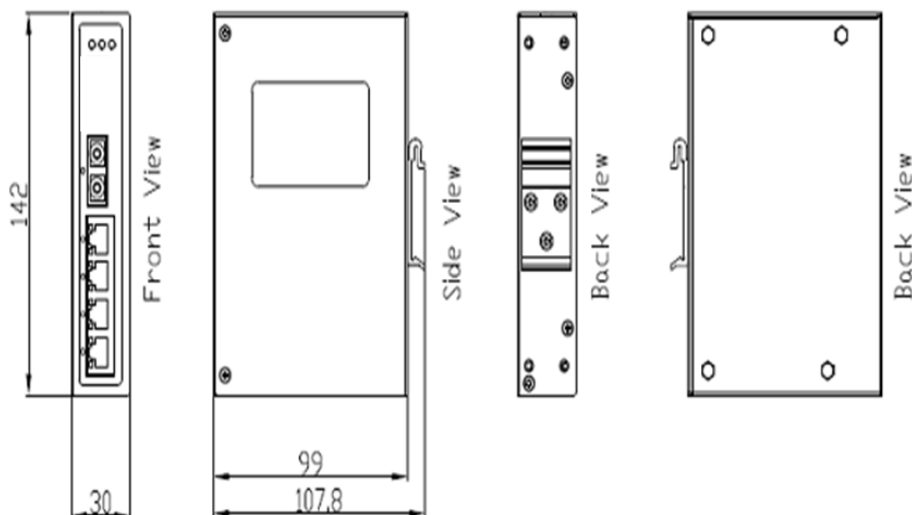
INTRODUCTION

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

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

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