LNX-0501G-SFP Series

5-Port Industrial Unmanaged Ethernet Switch, with 4*10/100/1000Tx and 1*100/1000 SFP Slot

Features
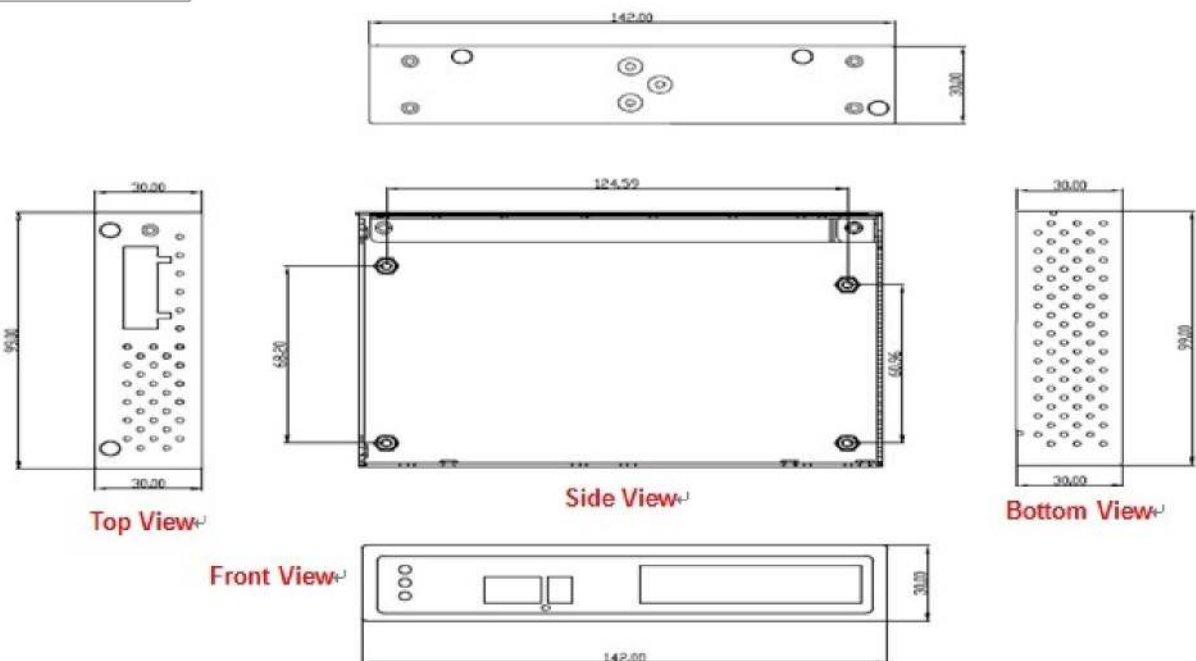
- ► Supports 4-Port 10/100/1000Tx and 1*100/1000 Dual Rate SFP Slot (for fiber)
- ► Supports Auto MDI/MDI-X Function
- ► Store-and-Forward Switching Architecture
- ► 8K MAC Address Table
- ► Jumbo Frame 9.6Kbytes Support
- ► Surge Protection: 2,000 VDC Support
- ► ESD Protection: 6,000 VDC Support
- ► IEEE 802.3az Energy Efficient Ethernet Support
- ► Redundant Power Input Design: 12~48VDC
- ► Built-in 1 Relay Output for Power Failure Warning
- ► 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-0501G-SFP series industrial Gigabit unmanaged Ethernet switch series is IP30 rated and DIN-Rail mountable with 4*10/100/1000Tx + 1*100/1000 SFP slot for fiber, making it ideal for applications that demand high bandwidth and long-distance communication. Plus, it is designed with IEEE 802.3az that supports energy efficient Ethernet to help reduce power consumption by 50% or more.

This series provides a high EFT and ESD protection that has a dual power input having a reverse power polarity protection. In addition, the built-in relay warning function alerts maintainers when power failures occur. There is a wide operating temperature model that supports -40° to 75°C. The LNX-0501G-SFP series is an ideal solution for harsh outdoor weather environments and industrial applications.

DIMENSIONS

Top View

Side View

Bottom View

Front View

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseTx Ethernet IEEE 802.3u 100BaseTx Fast Ethernet IEEE 802.3ab 1000BaseTx Gigabit Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3az Energy Efficient Ethernet
Processing Type	Store-and-Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control

Switch Properties	
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Memory Buffer	4Mbps (default)
Jumbo Frame	9.6K
MAC Table Size	8K

Interface	
Ethernet Port	4*RJ45 Ports w/10/100/1000Tx
Fiber Port	1*100/1000 SFP Slot
Network Cable	10Base Tx: 2-pair UTP/STP Cat. 3,4,5 100Base Tx: 2-pair UTP/STP Cat. 5 1000Base Tx: 2-pair UTP/STP Cat. 5/5E

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	30 x 99 x 142 mm
Weight	Unit: 1.0 lb Shipping: 1.5 lbs
Mounting	DIN-Rail, Wall mounting (Optional)

Power Requirement	
Input Voltage	12~48VDC, Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
Power Consumption	5 Watts

Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°~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 61010-1, 61010-2-201, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNX-0501G-SFP	5-Port Industrial Gigabit Unmanaged Ethernet Switch, w/4*10/100/1000Tx + 1*100/1000 SFP Slot
LNX-0501G-SFP-T	5-Port Industrial Gigabit Unmanaged Ethernet Switch, w/4*10/100/1000Tx + 1*100/1000 SFP Slot, EOT: -40° to 75°C

Optional Accessories	
DR-15-24	15W Industrial DIN-Rail Power Supply, 24VDC
DR-45-24	45W Industrial DIN-Rail Power Supply, 24VDC
MDR-60-48	60W Industrial DIN-Rail Power Supply, 48VDC
DR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC