antaira®

LNX-0602 Series

6-Port Industrial Unmanaged Ethernet Switch, with
4*10/100Tx and 2*100Fx, 12~48VDC Power Input

Features

▶ **Network Broadcast Storm Protection**
▶ **4-Port 10/100Tx Fast Ethernet**
▶ **2-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**
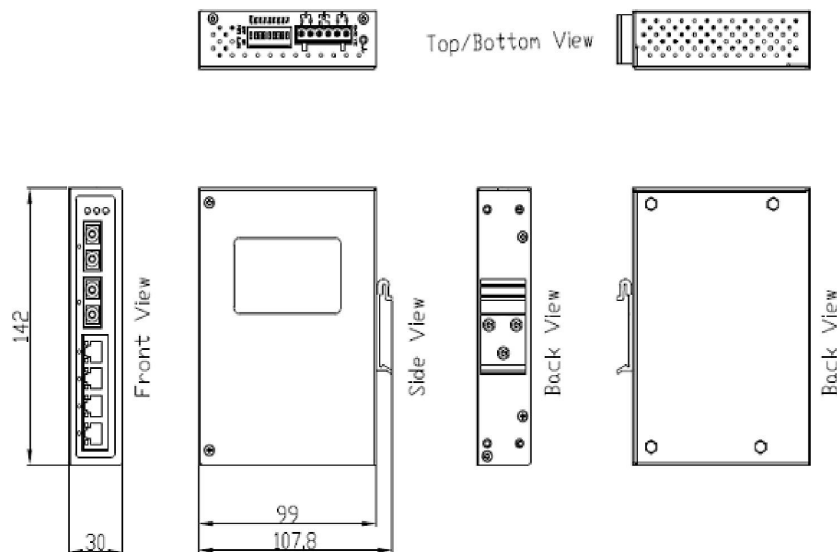▶ **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNX-0602 series switches are smart 6-port Industrial Unmanaged Ethernet Switches supporting 4-Port 10/100Tx Fast Ethernet and 2-Port 100Fx of SC or ST type connector and support Multi-mode in 2Km, or Single-mode in 30Km.

The LNX-0602 series switches support 12~48VDC power inputs. This series of switches offers 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	
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	2*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	7.5 Watts

Mechanical Characteristics	
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)

Environmental Limits	
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-0602-M	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode Fiber (2Km), SC Connector
LNX-0602-M-T	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode Fiber (2Km), SC Connector; EOT: -40° to 75°C
LNX-0602-ST-M	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode Fiber (2Km), ST Connector
LNX-0602-ST-M-T	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Multi-Mode Fiber (2Km), ST Connector; EOT: -40° to 75°C
LNX-0602-S3	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode Fiber (30Km), SC Connector
LNX-0602-S3-T	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode Fiber (30Km), SC Connector; EOT: -40° to 75°C
LNX-0602-ST-S3	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode Fiber (30Km), ST Connector
LNX-0602-ST-S3-T	6-Port Industrial Unmanaged Ethernet Switch, with 4*10/100Tx and 2*100Fx Single-Mode Fiber (30Km), ST Connector; EOT: -40° to 75°C

Optional Accessories	
DR-45-24	45W Industrial DIN-Rail Power Supply

Assured Systems

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