

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

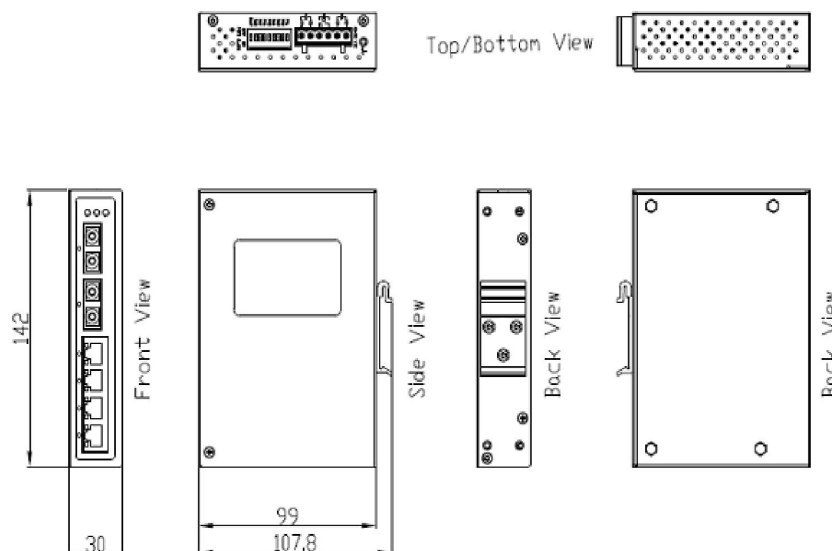
INTRODUCTION

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 | | 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 | 2*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 Shock | IEC60068-2-32 IEC60068-2-27 |
| Power Requirement | | Vibration | IEC60068-2-6 |
| Input Voltage | 12~48VDC, Redundant Input | Green | RoHS Compliant |
| Power Connection | 1 removable 6-contact terminal block | Certifications | FCC, CE, UL 508, UL Class 1 Division 2 |
| Reverse Polarity Protection | Yes | Warranty | 5 Years |
| Overload Current Protection | Slow-Blown Fuse | | |
| Power Consumption | 7.5 Watts | | |

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 |

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