

# LNX-1202G-10G-SFP

12-Port Industrial Gigabit Unmanaged Ethernet Switch, with 10\*10/100/1000Tx and 2\*10G SFP+ Slots



## Features

- ▶ Supports 10\*10/100/1000Tx Ethernet Ports and 2\*10G SFP+ Fiber Slots
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 16K MAC Address Table
- ▶ 9,216 Bytes Jumbo Frame Support
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12 to 48VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: -40° to 60°C
- ▶ 5-Year Warranty

## INTRODUCTION

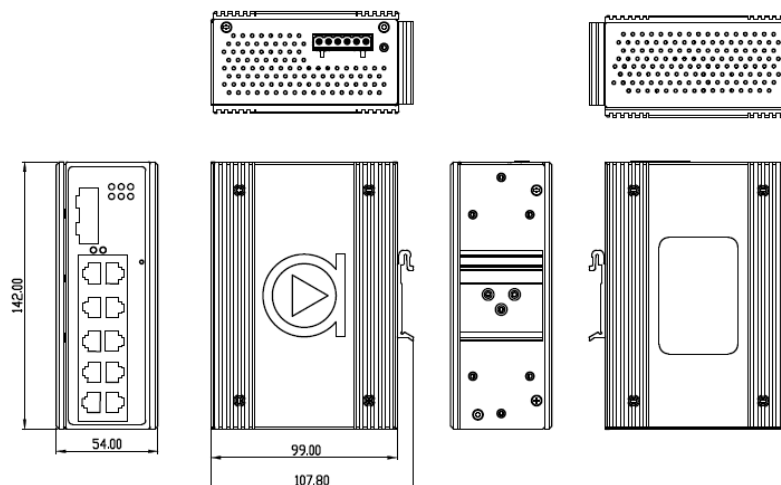
Antaira's **LNX-1202G-10G-SFP** industrial gigabit unmanaged Ethernet switch is IP30 rated and DIN-Rail and wall mountable. Each unit is designed with 10 gigabit Ethernet ports and two 10G SFP+ slots for fiber connections, making it ideal for applications that demand high bandwidth and long distance communication.

This product provides high EFT and ESD protection to prevent any unregulated voltage and is suitable for harsh environments. The unit also supports an operating temperature range from -40° to 60°C.

The LNX-1202G-10G-SFP is the perfect industrial networking product to support any application that requires high bandwidth or high density connections, such as power/utility, water wastewater treatment plants, oil/gas/mining, process control automation, security access control systems, and intelligent transportation systems.

## DIMENSIONS

Dimensions (unit = mm)



## SPECIFICATIONS

|                                    |  |
|------------------------------------|--|
| <b>Technology</b>                  |  |
| <b>Standards</b>                   | IEEE 802.3 10BaseTx Ethernet<br>IEEE 802.3u 100BaseTx Fast Ethernet<br>IEEE 802.3ab 1000BaseTx<br>IEEE 802.3ae 10 Gigabit Ethernet                       |
| <b>Processing Type</b>             | Store and Forward  |
| <b>Protocol</b>                    | CSMA/CD  |
| <b>Flow Control</b>                | IEEE 802.3x Back Pressure Flow Control   |
| <b>Switch Properties</b>           |  |
| <b>Switch Architecture</b>         | Back-Plane (Switching Fabric):<br>Non-Blocking   |
| <b>Transfer Rate</b>               | 14,880pps for Ethernet Port<br>148,800pps for Fast Ethernet Port<br>1,488,000pps for Gigabit Ethernet Port<br>14,880,000pps for 10 Gigabit Ethernet Port |
| <b>Memory Buffer</b>               | 12 Mbits   |
| <b>Jumbo Frame</b>                 | 9216 Bytes   |
| <b>MAC Table Size</b>              | 16K  |
| <b>Interface</b>                   |  |
| <b>Ethernet Ports</b>              | 10*RJ45 Ports w/10/100/1000Tx, Auto Negotiation Speed, Full/Half Duplex Mode, and Auto MDI/MDI-X Connection  |
| <b>Fiber Ports</b>                 | 2*10G SFP+ Slots   |
| <b>LED Indicators</b>              | Power 1, Power 2, Fault<br>Ethernet Ports: On-Link/Flash-data<br>Transmitting<br>SFP+: Link/Active   |
| <b>Wavelength</b>                  | Refer to SFP+ Modules  |
| <b>Network Cable</b>               | 10Base Tx: 2-pair UTP/STP Cat. 3,4,5<br>100Base Tx: 2-pair UTP/STP Cat. 5<br>1000Base Tx: 2-pair UTP/STP Cat. 5/5E                                       |
| <b>Power Requirements</b>          |  |
| <b>Input Voltage</b>               | 12 to 48VDC, Redundant Input   |
| <b>Overload Current Protection</b> | Present (Slow-Blown Fuse)  |
| <b>Connection</b>                  | 1 Removable 6-Contact Terminal Block   |
| <b>Reverse Polarity Protection</b> | Yes  |
| <b>Power Consumption</b>           | 16Watts  |
| <b>Relay Contact</b>               | 24VDC, 1A Resistive  |

|                                   |  |
|-----------------------------------|--|
| <b>Mechanical Characteristics</b> |  |
| <b>Housing</b>                    | Metal, IP30 Protection                             |
| <b>Dimensions</b>                 | 54 x 99 x 142 mm (W*D*H)                           |
| <b>Weight</b>                     | Unit-3.0lbs. / Shipping Weight-3.5 lbs.            |
| <b>Mounting</b>                   | DIN-Rail, Wall Mounting (optional)                 |
| <b>Environmental Limits</b>       |  |
| <b>Operating Temperature</b>      | -40°C to 60°C                                      |
| <b>Storage Temperature</b>        | -40°C to 85°C                                      |
| <b>Ambient Relative Humidity</b>  | 5 to 95%, (Non-condensing)                         |
| <b>Regulatory Approvals</b>       |  |
| <b>EMI</b>                        | FCC Part 15 Subpart B Class A, CE EN 55022 Class A |
| <b>EMS</b>                        | IEC61000-4-2,3,4,5,6,8                             |
| <b>Free Fall</b>                  | IEC60068-2-32                                      |
| <b>Shock</b>                      | IEC60068-2-27                                      |
| <b>Vibration</b>                  | IEC60068-2-6                                       |
| <b>Green</b>                      | RoHS Compliant                                     |
| <b>Certifications</b>             | FCC, CE  |
| <b>Warranty</b>                   | 5 Years  |

## ORDERING INFO

**LNX-1202G-10G-SFP** 12-Port Industrial Gigabit Unmanaged Ethernet Switch with 10\*10/100/1000Tx and 2\*10G SFP+ Slots

### Optional Accessories

|                  |   |
|------------------|---|
| <b>MDR-20-24</b> | 20W Industrial DIN-Rail Power Supply, 24VDC |
| <b>MDR-40-48</b> | 40W Industrial DIN-Rail Power Supply, 48VDC |
| <b>MDR-60-48</b> | 60W Industrial DIN-Rail Power Supply, 48VDC |