

# LNx-1604G-SFP Series

16-Port Industrial Gigabit Unmanaged Ethernet Switch, 12\*10/100/1000Tx and 4\*100/1000 SFP Slots



## FEATURES

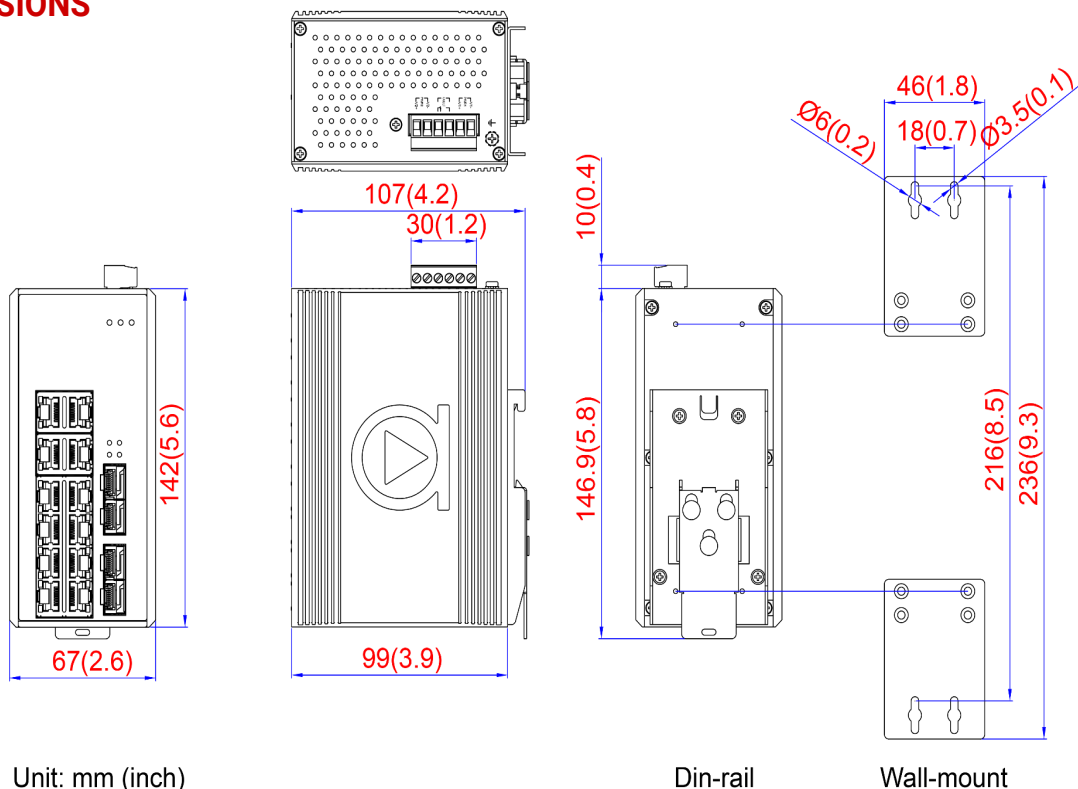
- ▶ Support 12\*10/100/1000Tx and 4\*100/1000 SFP Slot
- ▶ Built-in Relay for Power Redundancy Failure Warning
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Redundant Power Input 12~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ Overload Current Protection
- ▶ IP30 Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C
- ▶ 5-Year Warranty



## INTRODUCTION

**Antaira Technologies' LNx-1604G-SFP Series** is a 16-port industrial Gigabit unmanaged Ethernet switch embedded with 12\*10/100/1000Tx Ethernet ports and 4\*100/1000 SFP Slots. It is IP30 rated and designed with both DIN-Rail and wall mounting options. It is ideal for applications that require high density port connections with wide network bandwidth. The LNx-1604G-SFP series works well in industrial applications such as, security video surveillance, GigE machine vision, process control automation, and intelligent transportation. This product series provides high EFT and ESD protection with a redundant power input support of 12~48VDC. The unit also supports a standard operating temperature from -10°C to 65°C or -40°C to 75°C with the extended temperature version.

## DIMENSIONS



## SPECIFICATIONS

| TECHNOLOGY                  |                                                                                                                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                   | IEEE 802.3 10Base-T Ethernet                                                                                                                                                                                           |
|                             | IEEE 802.3u 100Base-TX Fast Ethernet                                                                                                                                                                                   |
|                             | IEEE 802.3ab 1000BaseT Gigabit Ethernet                                                                                                                                                                                |
|                             | IEEE 802.3z 1000Base-X Gigabit Fiber                                                                                                                                                                                   |
| SWITCH PROPERTIES           |                                                                                                                                                                                                                        |
| Switch Architecture         | Switching Fabric (Back-Plane): 32Gbps                                                                                                                                                                                  |
| Processing Type             | Store and Forward                                                                                                                                                                                                      |
| Flow Control                | IEEE 802.3x flow control, back pressure flow control                                                                                                                                                                   |
| Protocol                    | CSMA/CD                                                                                                                                                                                                                |
| Transfer Rate               | 14,880pps for Ethernet<br>148,800pps for Fast Ethernet<br>1,488,000pps for Gigabit Ethernet                                                                                                                            |
| MAC Table Size              | 8K                                                                                                                                                                                                                     |
| Jumbo Frame                 | 9.6Kbytes                                                                                                                                                                                                              |
| Memory Buffer               | 4Mbits                                                                                                                                                                                                                 |
| PORT INTERFACE              |                                                                                                                                                                                                                        |
| Ethernet Port               | 12*10/100/1000Base-TX<br>Auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection                                                                                                                  |
| SFP Port                    | 4*100/1000 SFP Slots                                                                                                                                                                                                   |
| LED Indicators              | System: Power 1, Power 2, Fault<br>Ethernet ports: On-Link/Flash-data transmitting<br>SFP: Speed/Link/Active                                                                                                           |
| Network Cable               | 10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable<br>EIA/TIA-568 100-ohm (100m)<br>100BaseTX: 2-pair UTP/STP Cat. 5 cable<br>EIA/TIA-568 100-ohm (100m)<br>1000BaseTX: UTP/STP Cat. 5/5E cable;<br>EIA/TIA-568 100-ohm (100m) |
| MECHANICAL CHARACTERISTICS  |                                                                                                                                                                                                                        |
| Housing                     | Metal, IP30 protection                                                                                                                                                                                                 |
| Dimension                   | 67 x 142 x 99 mm (W x H x D)                                                                                                                                                                                           |
| Weight                      | Unit: 2.57 lbs.<br>Shipping: 3.22 lbs.                                                                                                                                                                                 |
| Mounting                    | DIN-Rail mounting, Wall mounting                                                                                                                                                                                       |
| POWER REQUIREMENT           |                                                                                                                                                                                                                        |
| Input Voltage               | 12~48VDC Redundant Input                                                                                                                                                                                               |
| Power Connection            | 1 removable 6-contact terminal block                                                                                                                                                                                   |
| Relay Contact               | 24VDC, 1A resistive                                                                                                                                                                                                    |
| Overload Current Protection | Present (Slow-Blown Fuse)                                                                                                                                                                                              |
| Reverse Polarity Protection | Present                                                                                                                                                                                                                |
| System Power Consumption    | Max 15 Watts full loading                                                                                                                                                                                              |
| ENVIRONMENTAL LIMITS        |                                                                                                                                                                                                                        |
| Operating Temperature       | STD: -10°C to 65°C<br>EOT: -40°C to 75°C                                                                                                                                                                               |
| Storage Temperature         | -40°C ~ 85°C                                                                                                                                                                                                           |
| Ambient Relative Humidity   | 5 to 95%, (non-condensing)                                                                                                                                                                                             |
| REGULATORY APPROVALS        |                                                                                                                                                                                                                        |
| EMI                         | FCC Part 15 Subpart B Class A,<br>CE EN55032/EN61000-6-4 Class A                                                                                                                                                       |
| EMS                         | CE EN55035/EN61000-6-2,<br>IEC61000-4-2,3,4,5,6,8                                                                                                                                                                      |
| Free Fall                   | IEC60068-2-32                                                                                                                                                                                                          |
| Shock                       | IEC60068-2-27                                                                                                                                                                                                          |
| Vibration                   | IEC60068-2-6                                                                                                                                                                                                           |
| Green                       | RoHS Compliant                                                                                                                                                                                                         |
| Certifications              | FCC, CE, UL61010-1, UL61010-2-201                                                                                                                                                                                      |
| Warranty                    | 5 Years                                                                                                                                                                                                                |

## ORDERING INFORMATION

|                        |                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>LNX-1604G-SFP</b>   | 16-Port Industrial Gigabit Unmanaged Ethernet Switch, 12*10/100/1000Tx and 4*100/1000 SFP Slots                        |
| <b>LNX-1604G-SFP-T</b> | 16-Port Industrial Gigabit Unmanaged Ethernet Switch, 12*10/100/1000Tx and 4*100/1000 SFP Slots;<br>EOT: -40°C to 75°C |

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660