

## LNP-2602G-SFP Series

26-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, with 24\*10/100/1000Tx (PSE: 30W/Port), and 2\* Gigabit Combo Ports (2\*10/100/1000TX RJ45 and 2\*100/1000 SFP Slots)



### Features

- ▶ IP40 1U 19" Rackmount Rugged Metal Case Design
- ▶ 24-port 10/100/1000Tx RJ45 Ethernet (with full 24-port PoE+ output power up to 30W/port)
- ▶ 2\* Gigabit Combo Ports (2\*10/100/1000Tx RJ45 and 2\*100/1000 SFP Slot)
- ▶ 9.6Kbytes Jumbo Frame Support
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ▶ Operating Temperature Range - STD: -10° to 70° C, EOT: -40° to 75° C
- ▶ 5-Year Warranty

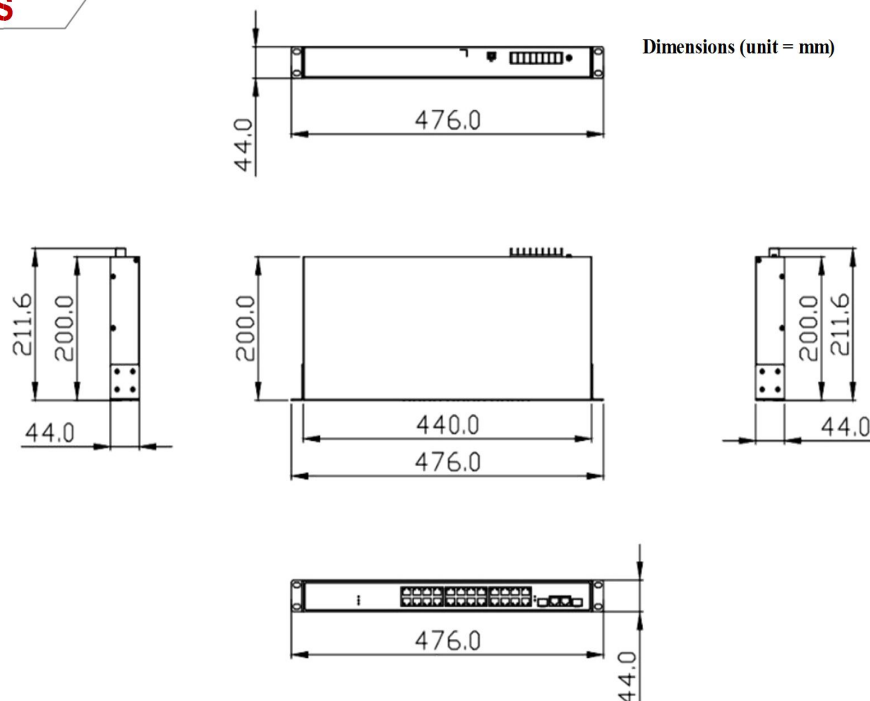


## INTRODUCTION

Antaira Technologies' LNP-2602G-SFP industrial gigabit PoE+ unmanaged Ethernet switch features twenty-four Gigabit ports with IEEE 802.3at high power PoE (30W/Port). The LNP-2602G-SFP also provides two gigabit combo ports with two 10/100/1000 Twisted pair and two dual rate 100/1000Fx SFP ports for fiber or twisted pair connections to support any applications that demand high PoE power support, high bandwidth and long distance communication within any harsh and extreme ambient weather environment. This product series also provides high EFT and ESD protection to prevent any unregulated voltage, and provides two wide operating temperature models with standard version in -10 to 70°C, or extended version in -40 to 75°C.

The LNP-2602G-SFP product series is ideal for supporting applications that require high density PoE+ port connections, such as, security surveillance, traffic monitoring systems, facility management in power/utility, water wastewater treatment plants and oil/gas/mining.

## DIMENSIONS



## SPECIFICATIONS

| Technology                             |                                                                    | Mechanical Characteristics       |                                                                                                                                   |
|----------------------------------------|--------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Standards                              | IEEE 802.3 10BaseT Ethernet                                        | <b>Housing</b>                   | Metal, IP40 protection                                                                                                            |
|                                        | IEEE 802.3u 100BaseTX Fast Ethernet                                | <b>Dimensions</b>                | 440 x 44 x 200 mm (W x H x D)                                                                                                     |
|                                        | IEEE 802.3ab 1000BaseT                                             | <b>Weight</b>                    | Unit Weight: 6.0 lbs., Shipping Weight: 8.0 lbs.                                                                                  |
|                                        | IEEE 802.3z 1000Base-X Gigabit Fiber                               | <b>Mounting</b>                  | 1U 19" Rackmount                                                                                                                  |
|                                        | IEEE 802.3af/at Power over Ethernet                                | <b>Environmental Limits</b>      |                                                                                                                                   |
| <b>Processing Type</b>                 | Store and Forward                                                  | <b>Operating Temperature</b>     | STD: -10° to 70° C<br>EOT: -40° to 75° C                                                                                          |
| <b>Protocol</b>                        | CSMA/CD                                                            | <b>Storage Temperature</b>       | -40°C ~ 85°C                                                                                                                      |
| <b>Flow Control</b>                    | IEEE 802.3x back pressure flow control                             | <b>Ambient Relative Humidity</b> | 5 to 95%, (non-condensing)                                                                                                        |
| Switch Properties                      |                                                                    | Regulatory Approvals             |                                                                                                                                   |
| <b>Switch Architecture</b>             | Back-Plane: Non-Blocking Switching Fabric                          | <b>EMI</b>                       | FCC Part 15 Subpart B Class A, CE EN 55022 Class A                                                                                |
| <b>Transfer Rate</b>                   | 14,880pps for Ethernet Port                                        | <b>EMS</b>                       | IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field) |
|                                        | 148,800pps for Fast Ethernet Port                                  |                                  |                                                                                                                                   |
|                                        | 1,488,000pps for Gigabit Ethernet Port                             |                                  |                                                                                                                                   |
| <b>Memory Buffer</b>                   | 4Mbits                                                             |                                  |                                                                                                                                   |
| <b>Jumbo Frame</b>                     | 9.6Kbytes                                                          |                                  |                                                                                                                                   |
| <b>MAC Table Size</b>                  | 8K                                                                 | <b>Free Fall</b>                 | IEC60068-2-32                                                                                                                     |
| Interface                              |                                                                    | <b>Shock</b>                     | IEC60068-2-27                                                                                                                     |
| <b>Ethernet Port</b>                   | 24*10/100/1000Tx RJ45 (w/24*PSE: 30W/Port)                         | <b>Vibration</b>                 | IEC60068-2-6                                                                                                                      |
| <b>PoE Pin out</b>                     | V+, V+, V-, V- for pins 1,2,3,6<br>Endspan, MDI/MDIX Alternative A | <b>Green</b>                     | RoHS Compliant                                                                                                                    |
| <b>Gigabit Combo Port (Copper/SFP)</b> | 2*RJ45 Ports w/10/100/1000Tx Ethernet and 2*100/1000 SFP Slot      | <b>Safety</b>                    | UL 61010-1, UL 61010-2-201                                                                                                        |
| <b>Wavelength</b>                      | Refer to SFP module                                                | <b>Warranty</b>                  | 5 Years                                                                                                                           |
| <b>Network Cable</b>                   | 10BaseTx: UTP/STP Cat. 3,5                                         |                                  |                                                                                                                                   |
|                                        | 100BaseTx: UTP/STP Cat. 5                                          |                                  |                                                                                                                                   |
|                                        | 1000BaseTx: UTP/STP Cat.5/5e/6                                     |                                  |                                                                                                                                   |
| Power Requirements                     |                                                                    |                                  |                                                                                                                                   |
| <b>Input Voltage</b>                   | 48~55VDC, Redundant Input                                          |                                  |                                                                                                                                   |
| <b>Overload Current Protection</b>     | Present (Slow-Blown Fuse)                                          |                                  |                                                                                                                                   |
| <b>Reverse Polarity Protection</b>     | Yes                                                                |                                  |                                                                                                                                   |
| <b>PoE Power Output</b>                | 30 Watts max. per PoE port                                         |                                  |                                                                                                                                   |
| <b>Power Consumption</b>               | 24 Watts for System                                                |                                  |                                                                                                                                   |
| <b>Max PoE Power Budget</b>            | 720 Watts                                                          |                                  |                                                                                                                                   |
| <b>Relay Contact</b>                   | 24VDC, 1A resistive                                                |                                  |                                                                                                                                   |

## ORDERING INFO

| <b>LNP-2602G-SFP</b>   | 26-Port Industrial Gigabit PoE+ Ethernet Switch, w/24*10/100/1000Tx (PSE: 30W/port), and 2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot)                     |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LNP-2602G-SFP-T</b> | 26-Port Industrial Gigabit PoE+ Ethernet Switch, w/24*10/100/1000Tx (PSE: 30W/port), and 2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot); EOT: -40° to 75° C |
| Optional Accessories   |                                                                                                                                                                                    |
| <b>SFP-M-T</b>         | 1.25Gbps Ethernet SFP Transceiver, Multi-Mode 550M / LC / 850nm, -40°C~85°C                                                                                                        |
| <b>SFP-S10-T</b>       | 1.25Gbps Ethernet SFP Transceiver, Single Mode 10KM / LC / 1310nm, -40°C~85°C                                                                                                      |
| <b>SDR-960-48</b>      | 960W Industrial DIN Rail Power Supply, 48VDC                                                                                                                                       |

## 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