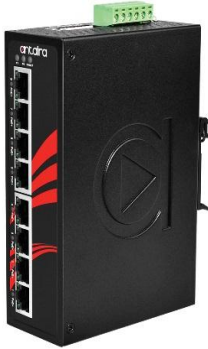


## LNP-0800-24 Series

8-Port Industrial PoE+ Unmanaged Ethernet Switch with 8\*10/100Tx (30W/Port), 12~36VDC Power Input



### Features

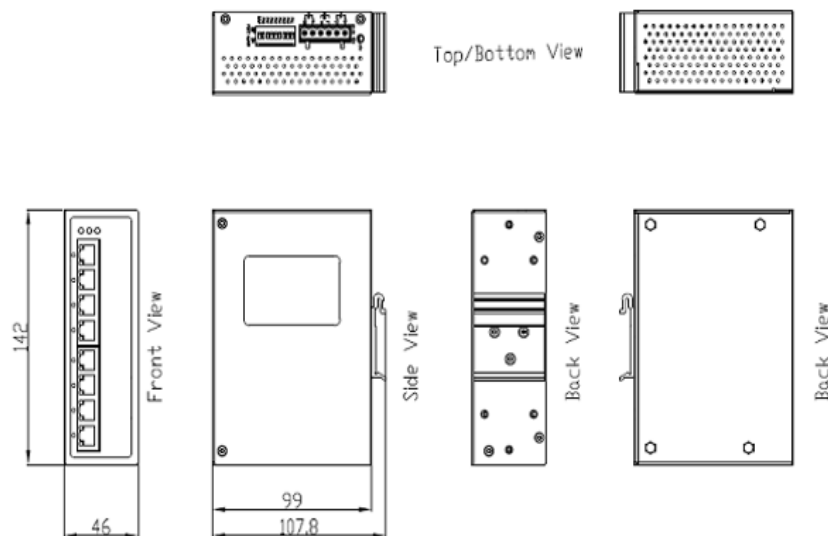
- ▶ 8-Port IEEE 802.3at compliant PoE+ (30W/Port)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Network Broadcast Storm Protection
- ▶ EFT Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~36VDC
- ▶ Built-in 1 Relay Output for Port Break Alarm
- ▶ IP30 Rugged Aluminum 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' LNP-0800-24 series** is an industrial PoE+ unmanaged Ethernet switch featuring 8\*10/100Tx PoE+ ports. Each power over Ethernet (PoE+) port supports an IEEE 802.3at high power PoE+ output up to 30W per port, making it ideal for applications that demand a PoE power source.

The LNP-0800-24 series is IP30 rated and DIN-rail mountable. There are also two wide operating temperature models for either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 75°C). The series provides Ethernet connectivity with PoE+ functions ideal for outdoor or harsh industrial application environments, such as, security surveillance, ITS-traffic monitoring systems, facility management for power/utility, water wastewater treatment plants, and automated production lines in factory automation.

### DIMENSIONS



## SPECIFICATIONS

| Technology                 |                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------|
| Standards                  | IEEE 802.3 10BaseT Ethernet                                                                                      |
|                            | IEEE 802.3u 100BaseTX Fast Ethernet                                                                              |
|                            | IEEE 802.3x Flow Control and Back-Pressure                                                                       |
|                            | IEEE 802.3at Power over Ethernet                                                                                 |
| Processing Type            | Store and forward                                                                                                |
| Protocol                   | CSMA/CD                                                                                                          |
| Flow Control               | IEEE 802.3x back pressure flow control                                                                           |
| Switch Properties          |                                                                                                                  |
| Switch Architecture        | Back-Plane (Switching Fabric): 1.0Gbps                                                                           |
| Transfer Rate              | 14,880pps for Ethernet Port<br>148,800pps for Fast Ethernet Port                                                 |
| Jumbo Frame                | -                                                                                                                |
| MAC Table                  | 2K                                                                                                               |
| Port Interface             |                                                                                                                  |
| Ethernet RJ45 Port         | 10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection<br>8*10/100Tx (PoE+) |
| Fiber Port                 | -                                                                                                                |
| PoE Port Pin Assignment    | V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)                                                |
| Mechanical Characteristics |                                                                                                                  |
| Housing                    | Metal IP30 rated                                                                                                 |
| Dimensions                 | 46 x 142 x 99 mm                                                                                                 |
| Weight                     | Unit: 1.68 lbs; Shipping: 2.0 lbs                                                                                |
| Mounting                   | DIN-Rail; Wall-mount (optional)                                                                                  |

| Power Requirement                |                                                                         |
|----------------------------------|-------------------------------------------------------------------------|
| Input Voltage & Power Connection | 12~36VDC, Redundant Input w/ removable 4-contact terminal block         |
| Reverse Polarity Protection      | Present                                                                 |
| Overload Current Protection      | Slow-Blown Fuse                                                         |
| PoE Power Output                 | 30W @ 53VDC (per PoE port)<br>210 Watts @ 12VDC<br>250 Watts @ 24~36VDC |
| Environmental Limits             |                                                                         |
| Operating Temperature            | STD: -10° to 70° C<br>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                              | EN6100-4-2,3,4,5,6,8<br>EN6100-6-2,4                                    |
| Free Fall                        | IEC60068-2-32                                                           |
| Shock                            | IEC60068-2-27                                                           |
| Vibration                        | IEC60068-2-6                                                            |
| Green                            | RoHS Compliant                                                          |
| Certifications                   | FCC, CE, UL 508,<br>UL Class 1 Division 2, ISA 12.12.01                 |
| Warranty                         | 5 Years                                                                 |

## ORDERING INFO

| LNP-0800-24          | 8-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 8*10/100Tx (30W/Port), 12~36VDC Input                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------|
| LNP-0800-24-T        | 8-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 8*10/100Tx (30W/Port), 12~36VDC Input EOT: -40° to 75°C |
| Optional Accessories |                                                                                                                       |
| DR-45-24             | 45W Industrial DIN-Rail Power Supply                                                                                  |
| DR-75-24             | 75W Industrial DIN-Rail Power Supply                                                                                  |
| SDR-120-24           | 120W Industrial DIN-Rail Power Supply                                                                                 |
| SDR-240-24           | 240W Industrial DIN-Rail Power Supply                                                                                 |

## 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