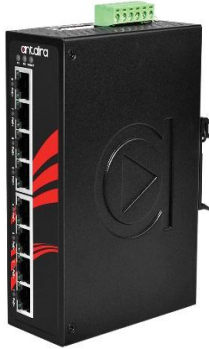


## LNP-0800-24 Series

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



### Features

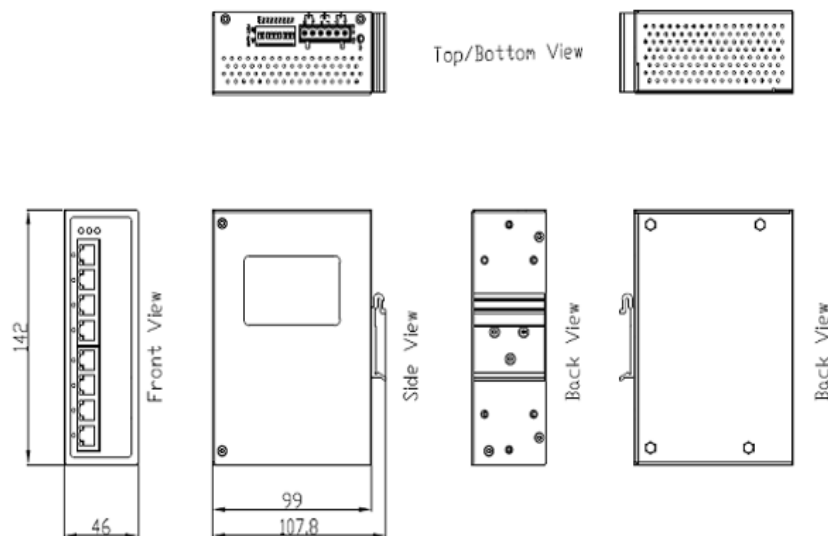
- ▶ 8-Port IEEE 802.3at compliant PoE+ (30W/Port)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Network Broadcast Storm Protection
- ▶ EFT Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 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

|                                   |                                                                                             |
|-----------------------------------|---------------------------------------------------------------------------------------------|
| <b>Technology</b>                 |                                                                                             |
| <b>Standards</b>                  | 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                                                            |
| <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): 1.0Gbps                                                      |
| <b>Transfer Rate</b>              | 14,880pps for Ethernet Port                                                                 |
|                                   | 148,800pps for Fast Ethernet Port                                                           |
| <b>Jumbo Frame</b>                | -                                                                                           |
| <b>MAC Table</b>                  | 2K                                                                                          |
| <b>Port Interface</b>             |                                                                                             |
| <b>Ethernet RJ45 Port</b>         | 10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection |
| <b>Fiber Port</b>                 | -                                                                                           |
| <b>PoE Port Pin Assignment</b>    | V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)                           |
| <b>Mechanical Characteristics</b> |                                                                                             |
| <b>Housing</b>                    | Metal IP30 rated                                                                            |
| <b>Dimensions</b>                 | 46 x 142 x 99 mm                                                                            |
| <b>Weight</b>                     | Unit: 1.68 lbs; Shipping: 2.0 lbs                                                           |
| <b>Mounting</b>                   | DIN-Rail; Wall-mount (optional)                                                             |

|                                             |                                                                 |
|---------------------------------------------|-----------------------------------------------------------------|
| <b>Power Requirement</b>                    |                                                                 |
| <b>Input Voltage &amp; Power Connection</b> | 12~36VDC, Redundant Input w/ removable 4-contact terminal block |
| <b>Reverse Polarity Protection</b>          | Present                                                         |
| <b>Overload Current Protection</b>          | Slow-Blown Fuse                                                 |
| <b>PoE Power Output</b>                     | 30W @ 53VDC (per PoE port)                                      |
| <b>Power Consumption</b>                    | 210 Watts @ 12VDC                                               |
|                                             | 250 Watts @ 24~36VDC                                            |
| <b>Environmental Limits</b>                 |                                                                 |
| <b>Operating Temperature</b>                | STD: -10° to 70° C                                              |
|                                             | EOT: -40° to 75° C                                              |
| <b>Storage Temperature</b>                  | -40°C ~ 85°C                                                    |
| <b>Ambient Relative Humidity</b>            | 5 to 95%, (non-condensing)                                      |
| <b>Regulatory Approvals</b>                 |                                                                 |
| <b>EMI</b>                                  | FCC Class A                                                     |
| <b>EMS</b>                                  | EN6100-4-2,3,4,5,6,8                                            |
|                                             | EN6100-6-2,4                                                    |
| <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, UL 508,                                                |
|                                             | UL Class 1 Division 2, ISA 12.12.01                             |
| <b>Warranty</b>                             | 5 Years                                                         |

## ORDERING INFO

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