

# LNP-800AGH Series

## Features

**8-Port Industrial PoE+ Unmanaged Ethernet Switch, with 8\*10/100/1000Tx (30W/Port), 48~55VDC Power Input**



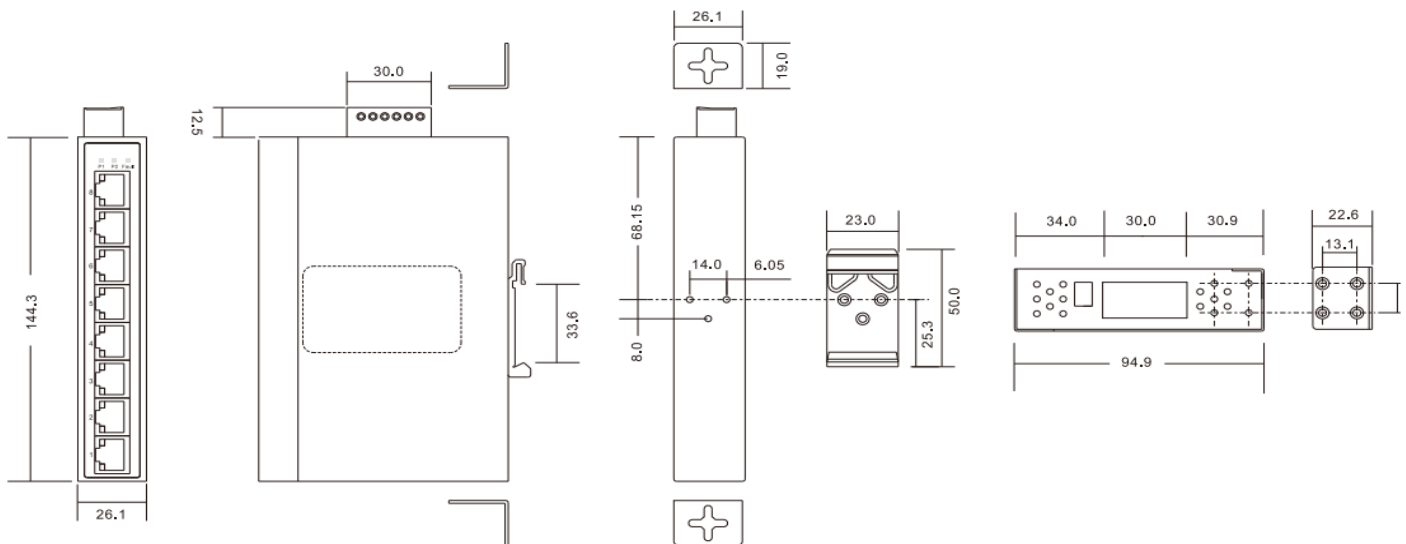
- ▶ Supports 8-Port 10/100/1000Tx Gigabit RJ45
- ▶ 8-Ports of IEEE 802.3af/at (30 Watts/Port)
- ▶ Supports 9.6Kbytes Jumbo Frame
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 8,000 VDC Support
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ Built-in 1 Relay Output for Fault Alarm
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range:  
STD: -10° to 65°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

## INTRODUCTION

Antaira Technologies' LNP-800AGH series is an 8-port industrial PoE+ unmanaged switch that supports 8\*10/100/1000Tx Ethernet ports. The LNP-800AGH series is a backwards compliant PoE+ switch that will support IEEE802.3af/at standards providing a maximum of 30 watts per port.

Antaira's LNP-800AGH series has been specifically designed for rugged and harsh environmental deployments. This product series is housed in a hardened IP30 rated metal enclosure that includes DIN-rail and wall mounting hardware. There are two wide operating temperature models for either a standard temperature range (STD: -10°C to 65°C) or an extended temperature range (EOT: -40°C to 75°C). The LNP-800AGH series also provides high EFT and ESD protection for any industrial networking application within ITS, security or any other outdoor or harsh environment.

## DIMENSIONS



## SPECIFICATIONS

|                                |  |
|--------------------------------|--|
| <b>Technology</b>              |  |
| <b>Standards</b>               | IEEE 802.3 10Tx Ethernet<br>IEEE 802.3U 100Tx Fast Ethernet<br>IEEE 802.3ab 1000Tx Gigabit Ethernet<br>IEEE 802.3x Flow Control for Full Duplex<br>IEEE 802.3at/af PoE (Power-over-Ethernet) |
| <b>Switch Properties</b>       |  |
| <b>Data Process</b>            | Store and forward  |
| <b>Transfer Rate</b>           | 14,880pps for 10Base-T Ethernet port<br>148,880pps for 100Base-T Fast Ethernet port<br>1,480,000pps for 1000Base-T Gigabit Ethernet  |
| <b>MAC Table</b>               | 2048   |
| <b>Jumbo Frame</b>             | 9.6Kbytes  |
| <b>Flow Control</b>            | IEEE 802.3x for full duplex mode, back pressure for half duplex mode   |
| <b>Port Interface</b>          |  |
| <b>Ethernet RJ45 Port</b>      | 8*10/100/1000BaseTx (PSE: 30W/Port) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection   |
| <b>PoE Port Pin Assignment</b> | V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)  |
| <b>Protection</b>              |  |
| <b>Overload Current</b>        | Present  |
| <b>Power Reverse Polarity</b>  | Not Present  |
| <b>Network Cable</b>           | 10Base-Tx: 2-pair UTP/STP Cat. 3, 4, 5 cable;<br>100Base-Tx: 2-pair UTP/STP Cat. 5 cable.<br>1000Base-Tx: 4-pair UTP/STP Cat. 5/5e/6   |

|                                   |   |
|-----------------------------------|---|
| <b>Mechanical Characteristics</b> |   |
| <b>LED Indicator</b>              | Per Unit: Power 1 & 2 (Green), Fault (Red)                          |
| <b>Housing</b>                    | Metal IP30 rated  |
| <b>Dimension</b>                  | 26.1 x 144.3 x 94.9 mm  |
| <b>Weight</b>                     | Unit: 0.86 lbs; Shipping: 1.5 lbs                                   |
| <b>Mounting</b>                   | DIN-Rail & Wall-mount (included)                                    |
| <b>Power Requirement</b>          |   |
| <b>Input Voltage</b>              | 48~55VDC Redundant Input  |
| <b>Power Connection</b>           | 1 removable 6-contact terminal block                                |
| <b>PoE Power Output</b>           | 25W @ 48VDC (per PoE port);<br>30W @ 51~55VDC (per PoE port)        |
| <b>Power Consumption</b>          | 10 Watts (no PD included);<br>250 Watts (Fully loaded)              |
| <b>Environmental Limits</b>       |   |
| <b>Operating Temperature</b>      | STD: -10° to 65°C<br>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>                        | EN61000-4-2,3,4,5,6,8,11  |
| <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 60950-1, UL 508,<br>UL Class 1 Division 2, ISA 12.12.01 |
| <b>Warranty</b>                   | 5 Years   |

## ORDERING INFO

|                             |  |
|-----------------------------|--|
| <b>LNP-800AGH</b>           | 8-Port Industrial PoE+ Unmanaged Ethernet Switches, w/8*10/100/1000Tx (30W/Port), 48~55VDC Power Input                 |
| <b>LNP-800AGH-T</b>         | 8-Port Industrial PoE+ Unmanaged Ethernet Switches, w/8*10/100/1000Tx (30W/Port), 48~55VDC Power Input; EOT: -40°~75°C |
| <b>Optional Accessories</b> |  |
| <b>MDR-60-48</b>            | 60 Watt Industrial Slim Single Output DIN Rail Power Supply - 48 VDC / 1.25 Amps                                       |
| <b>DR-75-48</b>             | 75 Watt Industrial Single Output DIN Rail Power Supply - 48 VDC / 1.6 Amps   |
| <b>DR-120-48</b>            | 120 Watt Industrial Single Output DIN Rail Power Supply - 48 VDC / 2.5 Amps  |
| <b>SDR-240-48</b>           | 240 Watt Industrial Slim High-Efficiency Single Output DIN Rail Power Supply - 48 VDC / 5.0 Amps                       |
| <b>SDR-480-48</b>           | 480 Watt Industrial Slim High-Efficiency Single Output DIN Rail Power Supply - 48 VDC / 10.0 Amps                      |