

# LNP-800AGH Series

## Features

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



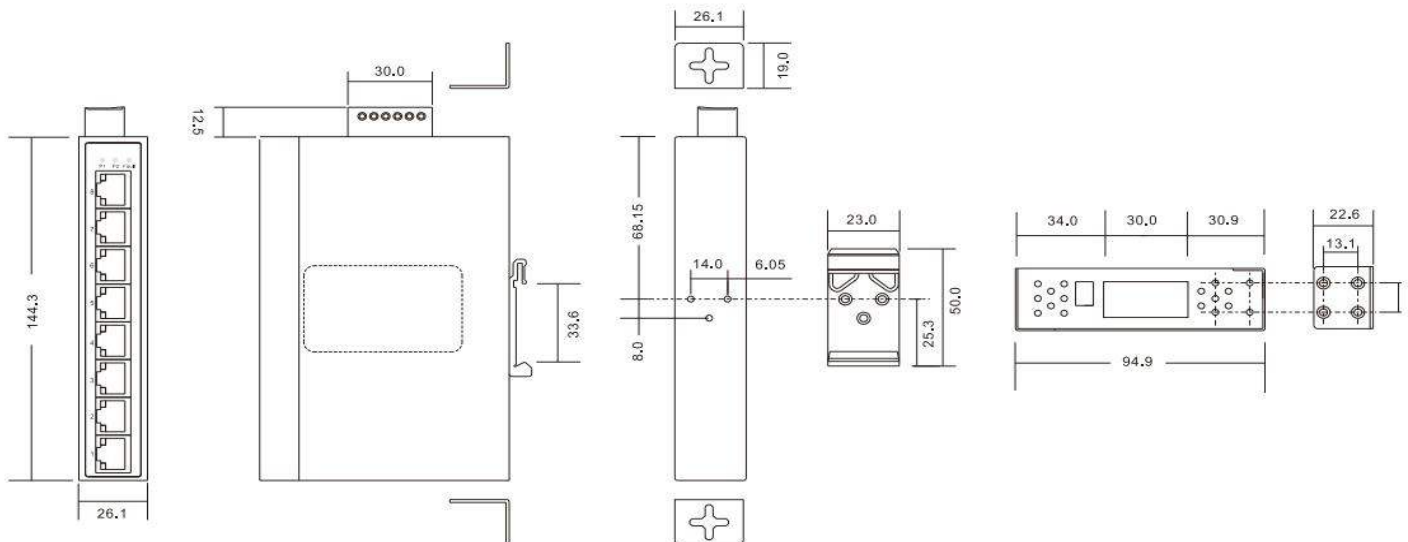
- ▶ Supports 8-Port 10/100/1000Tx Gigabit RJ45
- ▶ 8-Ports of IEEE 802.3af/at (30 Watts/Port)
- ▶ Supports 9.6Kbytes Jumbo Frame
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 8,000 VDC Support
- ▶ Redundant 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 60°C, EOT: -40° to 70°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 60°C) or an extended temperature range (EOT: -40°C to 70°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 IEEE 802.3U 100Tx Fast Ethernet IEEE 802.3ab 1000Tx Gigabit Ethernet IEEE 802.3x Flow Control for Full Duplex 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 148,880pps for 100Base-T Fast Ethernet port 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; 100Base-Tx: 2-pair UTP/STP Cat. 5 cable. 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); 30W @ 51~55VDC (per PoE port)
<b>Power Consumption</b>	10 Watts (no PD included); 250 Watts (Fully loaded)
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -10° to 60°C EOT: -40° to 70°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, 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°~70°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