

# LNP-800AGH-24 Series

## Features

**8-Port Industrial PoE+ Unmanaged Ethernet Switches, w/8\*10/100/1000Tx (30W/Port), 12~36VDC Power Input**



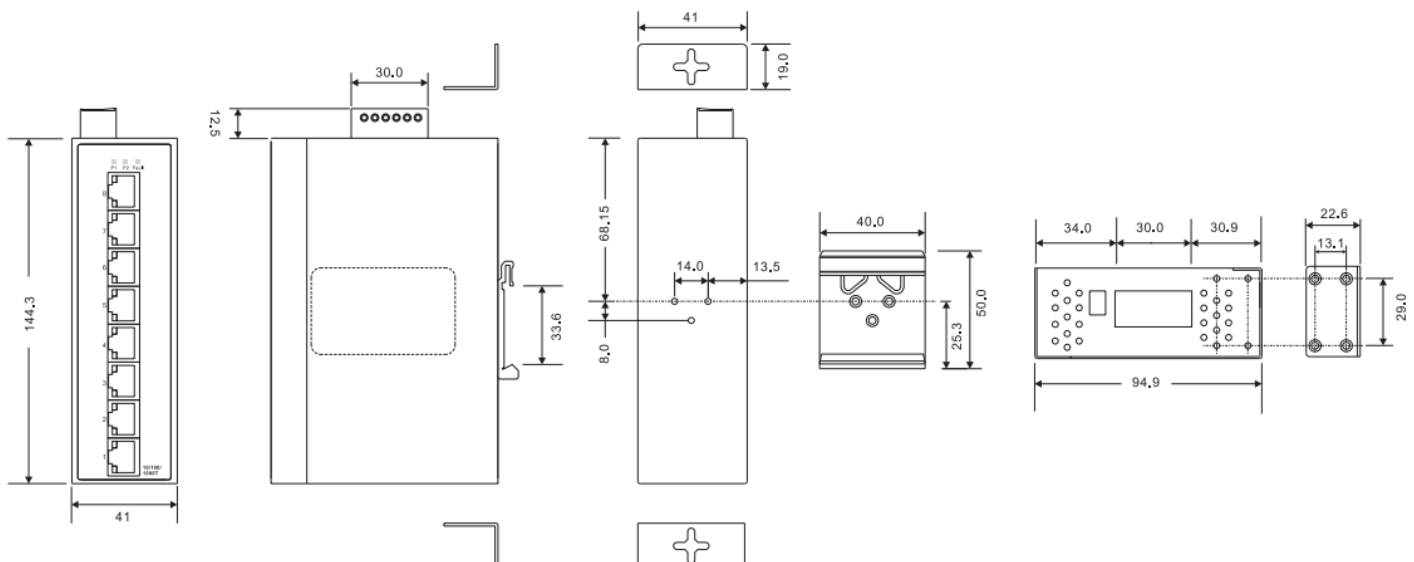
- ▶ Supports 8-Port 10/100/1000Tx Gigabit RJ45
- ▶ 8-Ports of IEEE 802.3af/at (30 Watts/Port)
- ▶ Supports 9.6Kbytes Jumbo Frame
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 8,000 VDC Support
- ▶ Redundant Power Input Design: 12~36VDC
- ▶ 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-24 series** is an 8-port industrial PoE+ unmanaged switch that supports 8\*10/100/1000Tx Ethernet ports. The LNP-800AGH-24 series is a backwards compliant PoE+ switch that will support IEEE802.3af/at standards providing a maximum of 30 watts per port with an input voltage of 12-36VDC.

Antaira's LNP-800AGH-24 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-24 series also provides high EFT and ESD protection for any industrial networking application within factory automation, ITS (including on-vehicle), solar, security or any other outdoor environment.

## DIMENSIONS



## SPECIFICATIONS

Technology	
Standards	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)
Switch Properties	
Data Process	Store and forward
Transfer Rate	14,880pps for 10Base-T Ethernet port
	148,880pps for 100Base-T Fast Ethernet port 1,480,000pps for 1000Base-T Gigabit Ethernet
MAC Table	2048
Jumbo Frame	9.6Kbytes
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
Port Interface	
Ethernet RJ45 Port	8*10/100/1000BaseTx (PSE: 30W/Port) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Port Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End span, MDI-X Alternative A)
Protection	
Overload Current	Present
Power Reverse Polarity	NOT Present
Network Cable	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

Mechanical Characteristics	
LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red)
Housing	Metal IP30 rated
Dimension	41.0 x 144.3 x 94.9 mm
Weight	Unit: 0.9 lbs; Shipping: 1.5 lbs
Mounting	DIN-Rail & Wall-mount (included)
Power Requirement	
Input Voltage	12~36VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
PoE Power Output	30W @ 12~36VDC (per PoE port)
Power Consumption	10 Watts (no PD included); 250 Watts (Fully loaded)
Environmental Limits	
Operating Temperature	STD: -10° to 60° C EOT: -40° to 70° C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Class A
EMS	EN61000-4-2,3,4,5,6,8,11
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL, UL508 (Pending)
Warranty	5 Years

## ORDERING INFO

LNP-800AGH-24	8-Port Industrial PoE+ Unmanaged Ethernet Switches, w/8*10/100/1000Tx (30W/Port), 12~36VDC Power Input
LNP-800AGH-24-T	8-Port Industrial PoE+ Unmanaged Ethernet Switches, w/8*10/100/1000Tx (30W/Port), 12~36VDC Power Input, Wide Temperature Range
Optional Accessories	
MDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC
DR-75-24	75W Industrial DIN-Rail Power Supply, 24VDC
DR-120-24	120W Industrial DIN-Rail Power Supply, 24VDC
SDR-240-24	240W Industrial DIN-Rail Power Supply, 24VDC
SDR-480-24	480W Industrial DIN-Rail Power Supply, 24VDC