LNP-800AGH-24 Series

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

Features
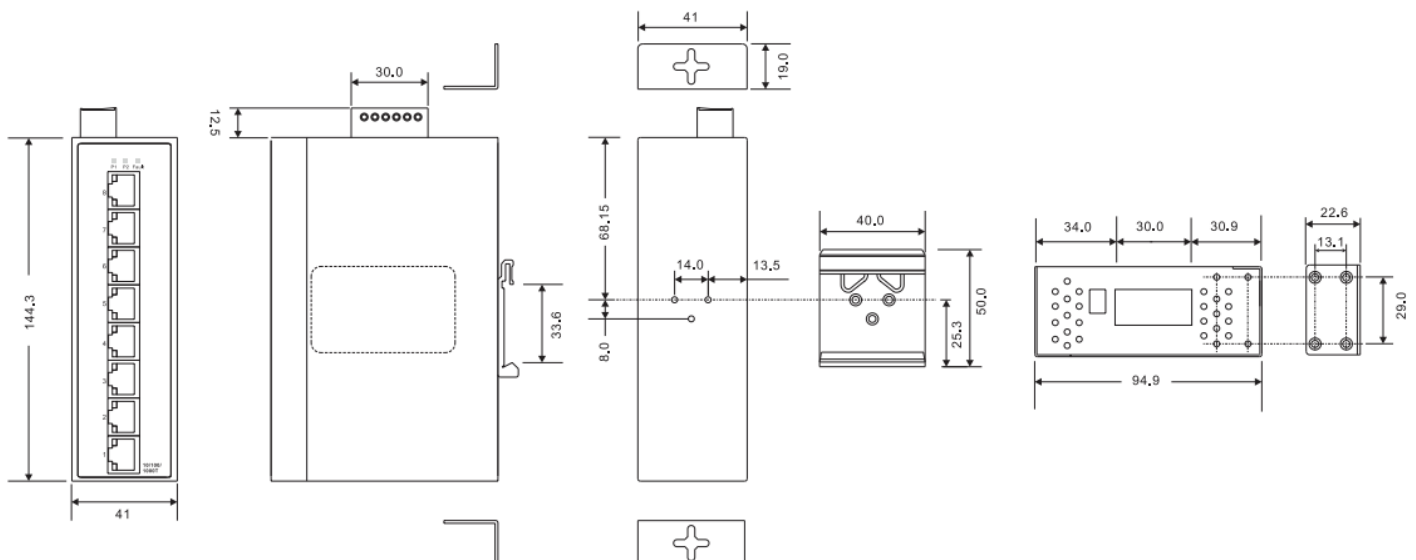
► Supports 8-Port 10/100/1000Tx Gigabit RJ45
► 8-Ports of IEEE 802.3af/at (30 Watts/Port)
► Supports 9.6Kbytes Jumbo Frame
► Supports Auto MDI/MDI-X Function
► Store-and-Forward Switching Architecture
► Surge Protection: 2,000 VDC Support
► ESD Protection: 8,000 VDC Support
► Redundant Power Input Design: 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 65°C, EOT: -40° to 75°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 65°C) or an extended temperature range (EOT: -40°C to 75°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 148,8800pps 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)
PoE Power Budget	90 Watts / 12VDC, 200 Watts / 24-36VDC

Environmental Limits	
Operating Temperature	STD: -10° to 65°C 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	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 508, UL Class 1 Division 2, ISA 12.12.01
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; EOT: -40° to 75°C
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