

# LNP-800AGH-24-T-CC

8-Port Industrial PoE+ Unmanaged Ethernet Switch, with 8\*10/100/1000Tx (30W/Port), 12~36VDC; EOT: -40~75°C with Conformal Coating



## Features

- ▶ Conformal Coating
- ▶ Support 8-Port 10/100Tx RJ45 Fast Ethernet
- ▶ Support Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Surge Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 12~36VDC
- ▶ Power Polarity Reverse Protect
- ▶ Overload Current Resettable Fuse Present
- ▶ Built-in 1 Relay Output for Fault Alarm
- ▶ UL Class 1 Division 2 Certified
- ▶ IP30 Rugged Metal Case Design
- ▶ DIN-Rail and Wall Mount Support
- ▶ Operating Temperature Range: EOT: -40° to 75°C
- ▶ 5-Year Warranty

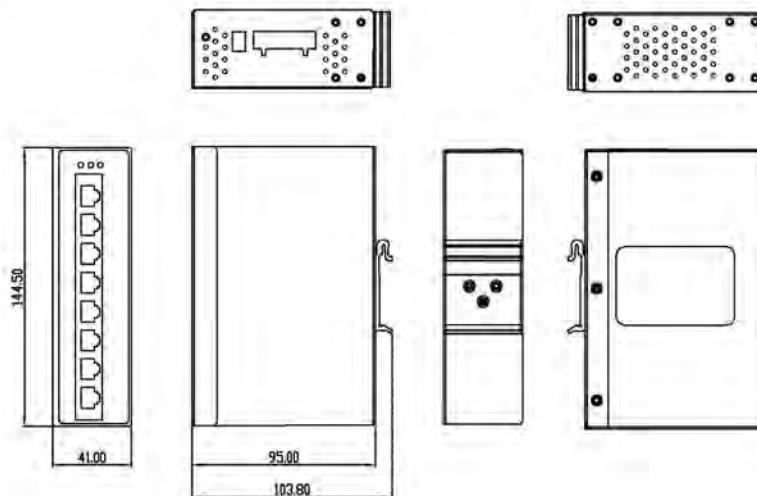
## INTRODUCTION

Antaira Technologies' LNP-800AGH-24-T-CC is an 8-port industrial PoE+ unmanaged switch that supports 8\*10/100/1000Tx Ethernet ports. The LNP-800AGH-24-T-CC 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. This unit has been conformal coated for corrosion prevention.

Conformal coating is a specialty film which conforms to the contours of the printed circuit board to protect the board from adverse environmental conditions. Antaira's conformal coating process meets or exceeds the standards for protection against gases, dust, and water.

Antaira's LNP-800AGH-24-T-CC 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. Also, this unit can operate in the extended temperature range (EOT: -40°C to 75°C). The LNP-800AGH-24-T-CC 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

<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>Processing Type</b>	Store and Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
<b>Switch Properties</b>	
<b>Switch Architecture</b>	Back-Plane: Non-Blocking Switching Fabric
<b>Transfer Rate</b>	14,880pps for 10Base-T Ethernet port
	148,880pps for 100Base-T Fast Ethernet port
<b>Memory Buffer</b>	4Mbits
	9.6Kbytes
<b>Jumbo Frame</b>	8K
<b>MAC Table Size</b>	8K
<b>Interface</b>	
<b>Ethernet 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 (End span, MDI-X Alternative A)
<b>LED Indicators</b>	Per Unit: Power 1 & 2 (Green), Fault (Red)
<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>Power Requirement</b>	
<b>Input Voltage</b>	12~36VDC Redundant Input
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Reverse Polarity Protection</b>	Present
<b>Overload Current Protection</b>	Present
<b>Power Consumption</b>	10 Watts (no PD included)
<b>PoE Power Budget</b>	90 Watts / 12VDC
	200 Watts / 24-36VDC

<b>Mechanical Characteristics</b>	
<b>Housing</b>	Metal, IP30 protection
<b>Dimensions</b>	41 x 144.5 x 95mm
<b>Weight</b>	Unit: 1.0 lb Shipping: 1.5 lbs
<b>Mounting</b>	DIN-Rail and Wall-mount (optional)
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	EOT: -40° to 75°C
<b>Storage Temperature</b>	-40°~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>	EN6100-4-2,3,4,5,6,8,11,12 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 61010-1, UL 61010-2-201, UL Class 1 Division 2
<b>Corrosion Prevention</b>	IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60
	IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E
	ISO 9223 (Class C5-Very High, Class GX-Severe)
<b>Warranty</b>	ANSI/ISA 71.04 (Class GX-Severe)
	5 Years

## ORDERING INFO

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<b>Optional Accessories</b>	
<b>MDR-60-24</b>	60W Industrial DIN-Rail Power Supply, 24VDC
<b>DR-75-24</b>	75W Industrial DIN-Rail Power Supply, 24VDC
<b>DR-120-24</b>	120W Industrial DIN-Rail Power Supply, 24VDC
<b>SDR-240-24</b>	240W Industrial DIN-Rail Power Supply, 24VDC
<b>SDR-480-24</b>	480W Industrial DIN-Rail Power Supply, 24VDC