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
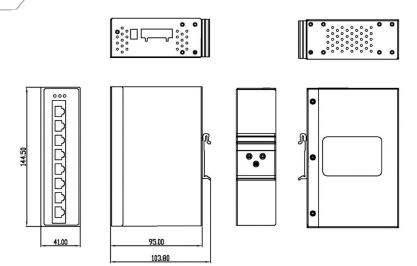- ► Operating Temperature Range: EOT: -40° to 75°C
- ► 5-Year Warranty

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 exceed 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

144.50

41.00

95.00

103.80

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)
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode

Switch Properties

Switch Architecture	Back-Plane: Non-Blocking Switching Fabric
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
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K

Interface

Ethernet 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)
LED Indicators	Per Unit: Power 1 & 2 (Green), Fault (Red)
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

Power Requirement

Input Voltage	12~36VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
Power Consumption	10 Watts (no PD included)
PoE Power Budget	90 Watts / 12VDC 200 Watts / 24-36VDC

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions	41 x 144.5 x 95mm
Weight	Unit: 1.0 lb Shipping: 1.5 lbs
Mounting	DIN-Rail and Wall-mount (optional)

Environmental Limits

Operating Temperature	EOT: -40° to 75°C
Storage Temperature	-40°~85°C
Ambient Relative Humidity	5 to 95%, (Non-condensing)

Regulatory Approvals

EMI	FCC Class A
EMS	EN6100-4-2,3,4,5,6,8,11,12 EN6100-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, UL 61010-2-201, UL Class 1 Division 2
Corrosion Prevention	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) ANSI/ISA 71.04 (Class GX-Severe)
Warranty	5 Years

ORDERING INFO

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

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