LNP-0800G-24 Series

8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 9~55VDC Power Input

FEATURES

► **Supports 8*10/100/1000Tx IEEE 802.3af/at Compliant with 30W/Port**
► **Supports 9.6Kbytes Jumbo Frame**
► **Supports Auto MDI/MDI-X Function**
► **Store-and-Forward Switching Architecture**
► **Power Input: 9~55VDC in 6-Pin Terminal Block**
► **Built-in 1 Relay Output for Power Failure Warning**
► **IP30 Rugged Metal Case Design**
► **DIN-Rail and Wall Mount Support**
► **Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C**
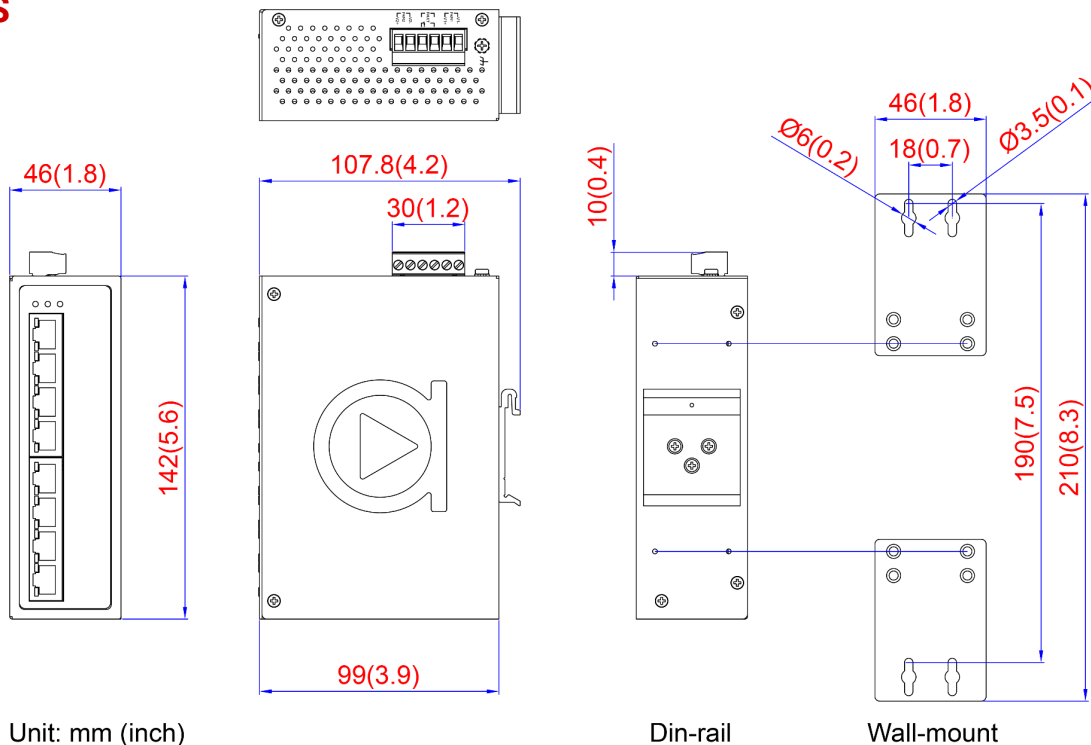► **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-0800G-24 Series is an 8-port industrial PoE+ gigabit unmanaged Ethernet switch that supports 8*10/100/1000Tx Ethernet ports. The LNP-0800G-24 series is a backward compliant PoE+ switch that will support IEEE 802.3af/at standards providing a maximum of 30 watts per port with an input voltage of 9~55VDC.

Antaira's LNP-0800G-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-0800G-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 or harsh environment.

DIMENSIONS

46(1.8)

107.8(4.2)

30(1.2)

142(5.6)

99(3.9)

10(0.4)

Ø6(0.2)   46(1.8)   Ø3.5(0.1)

18(0.7)

190(7.5)   210(8.3)

Unit: mm (inch)   Din-rail   Wall-mount

SPECIFICATIONS

TECHNOLOGY

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3af/at/bt Power over Ethernet

SWITCH PROPERTIES

Switch Architecture	Back-Plane (Switching Fabric): 16Gbps
Transfer Rate	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
Memory Buffer	4Mbits

PORT INTERFACE

Ethernet Port	8*10/100/1000Base-TX (30W/Port) Auto-negotiation speed, Full/Half duplex mode, and Auto MDI/MDI-X connection
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, MDI Alternative A)
LED Indicators	System: Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: 4-pair UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m)

MECHANICAL CHARACTERISTICS

Housing	Metal, IP30 protection
Dimension	46 x 142 x 99 mm
Weight	Unit: 1.64 lbs. Shipping: 2.05 lbs.
Mounting	DIN-Rail mounting, Wall mounting

POWER REQUIREMENT

Input Voltage	9~55VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Relay Contact	24VDC, 1A resistive
Overload Current Protection	Present
Reverse Polarity Protection	Present
System Power Consumption	Max. 10W full loading
Max PoE Power Budget	60W@9VDC 90W@12VDC 150W@24VDC 200W@36VDC 240W@48~55VDC

ENVIRONMENTAL LIMITS

Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

REGULATORY APPROVALS

EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
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
Warranty	5 Years

ORDERING INFORMATION

LNP-0800G-24	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 9~55VDC Power Input
LNP-0800G-24-T	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 9~55VDC Power Input; EOT: -40°C to 75°C