

# 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

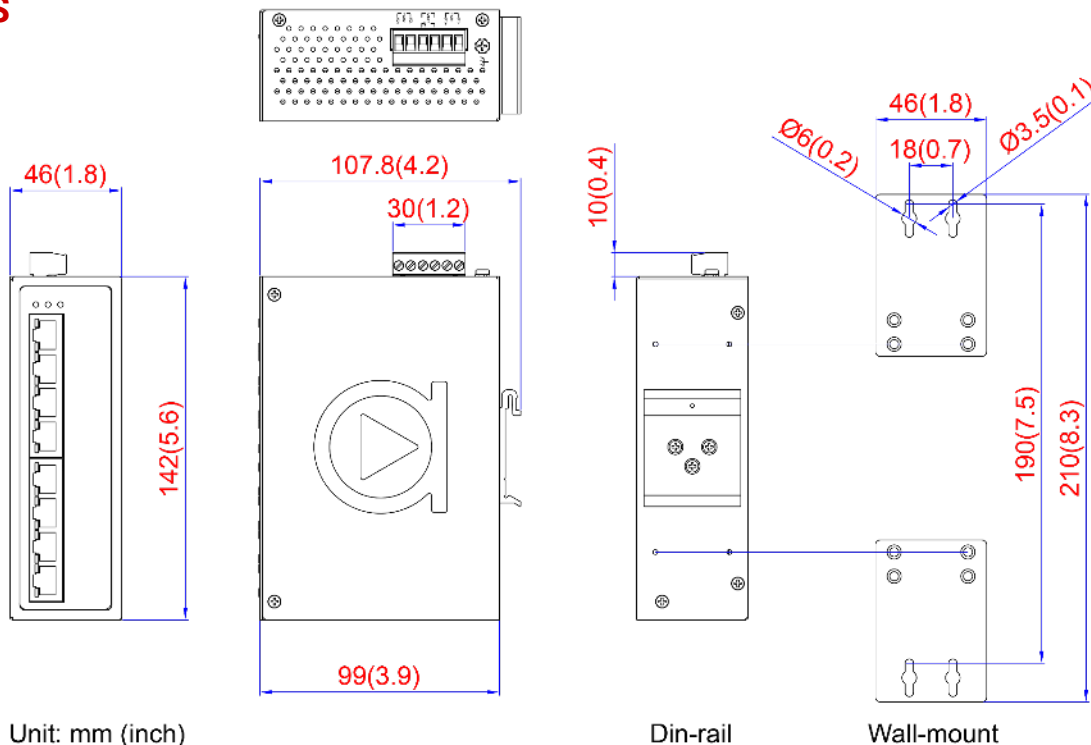


## INTRODUCTION

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



## SPECIFICATIONS

TECHNOLOGY		POWER REQUIREMENT	
<b>Standards</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3af/at/bt Power over Ethernet	<b>Input Voltage</b>	9~55VDC Redundant Input
<b>SWITCH PROPERTIES</b>		<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 16Gbps	<b>Relay Contact</b>	24VDC, 1A resistive
<b>Transfer Rate</b>	14,880pps for Ethernet 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet	<b>Overload Current Protection</b>	Present
<b>Jumbo Frame</b>	9.6Kbytes	<b>Reverse Polarity Protection</b>	Present
<b>MAC Table Size</b>	8K	<b>System Power Consumption</b>	Max. 10W full loading
<b>Memory Buffer</b>	4Mbits	<b>Max PoE Power Budget</b>	60W@9VDC 90W@12VDC 150W@24VDC 200W@36VDC 240W@48~55VDC
PORT INTERFACE		ENVIRONMENTAL LIMITS	
<b>Ethernet Port</b>	8*10/100/1000Base-TX (30W/Port) Auto-negotiation speed, Full/Half duplex mode, and Auto MDI/MDI-X connection	<b>Operating Temperature</b>	STD: -10°C to 65°C EOT: -40°C to 75°C
<b>PoE Pin Out</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, MDI Alternative A)	<b>Storage Temperature</b>	-40°C ~ 85°C
<b>LED Indicators</b>	System: Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices	<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Network Cable</b>	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)	REGULATORY APPROVALS	
<b>MECHANICAL CHARACTERISTICS</b>		<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
<b>Housing</b>	Metal, IP30 protection	<b>EMS</b>	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
<b>Dimension</b>	46 x 142 x 99 mm	<b>Free Fall</b>	IEC60068-2-32
<b>Weight</b>	Unit: 1.64 lbs. Shipping: 2.05 lbs.	<b>Shock</b>	IEC60068-2-27
<b>Mounting</b>	DIN-Rail mounting, Wall mounting	<b>Vibration</b>	IEC60068-2-6
		<b>Green</b>	RoHS Compliant
		<b>Certifications</b>	FCC, CE, UL 61010-1, UL 61010-2-201
		<b>Warranty</b>	5 Years

## ORDERING INFORMATION

<b>LNP-0800G-24</b>	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000Tx (30W/Port), 9~55VDC Power Input
<b>LNP-0800G-24-T</b>	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