

LNP-0800G Series

8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000T (30W/Port), 48~55VDC Power Input



FEATURES

- ▶ Supports 8*10/100/1000T 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: 48~55VDC 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

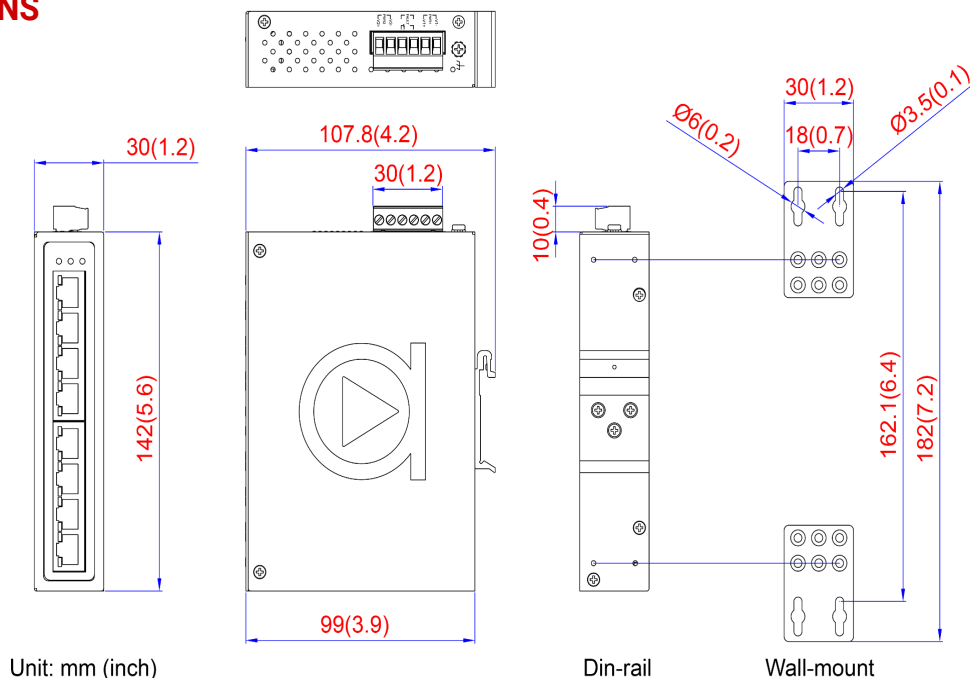


INTRODUCTION

Antaira Technologies' LNP-0800G Series is an 8-port industrial PoE+ gigabit unmanaged Ethernet switch that supports 8*10/100/1000T Ethernet ports. The LNP-0800G 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 48~55VDC.

Antaira's LNP-0800G 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 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	
Standards	IEEE 802.3 10BASE-T Ethernet	Input Voltage	48~55VDC Redundant Input
	IEEE 802.3u 100BASE-TX Fast Ethernet	Power Connection	1 removable 6-contact terminal block
	IEEE 802.3ab 1000BASE-T Gigabit Ethernet	Relay Contact	24VDC, 1A resistive
	IEEE 802.3af/at/bt Power over Ethernet	Overload Current Protection	Present
SWITCH PROPERTIES		Reverse Polarity Protection	Present
Switch Architecture	Back-Plane (Switching Fabric): 16Gbps	System Power Consumption	Max. 11W full loading
Transfer Rate	14,880pps for Ethernet	Max PoE Power Budget	240W
	148,800pps for Fast Ethernet	ENVIRONMENTAL LIMITS	
	1,488,000pps for Gigabit Ethernet	Operating Temperature	STD: -10°C to 65°C EOT: -40°C to 75°C
Jumbo Frame	9.6Kbytes	Storage Temperature	-40°C ~ 85°C
MAC Table Size	8K	Ambient Relative Humidity	5 to 95%, (non-condensing)
Memory Buffer	4Mbits	REGULATORY APPROVALS	
PORT INTERFACE		EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
Ethernet Port	8*10/100/1000BASE-T (30W/Port)	EMS	CE EN55035/EN61000-6-2, IEC61000-4-2,3,4,5,6,8
	Auto-negotiation speed, Full/Half duplex mode, and Auto MDI/MDI-X connection	Free Fall	IEC60068-2-32
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, MDI Alternative A)	Shock	IEC60068-2-27
LED Indicators	System: Power 1, Power 2, Fault	Vibration	IEC60068-2-6
	Ethernet Ports: On-Link/Flash-data transmitting	Green	RoHS Compliant
	PoE: On-connected to PD devices	Certifications	FCC, CE, UL 61010-1, UL 61010-2-201 UL Class 1 Division 2, ISA 12.12.01
Network Cable	10BASE-T: 2-pair UTP/STP Cat. 3, 4, 5 cable	Warranty	5 Years
	EIA/TIA-568 100-ohm (100m)		
	100BASE-TX: 2-pair UTP/STP Cat. 5 cable		
	EIA/TIA-568 100-ohm (100m)		
MECHANICAL CHARACTERISTICS	1000BASE-T: 4-pair UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m)		
	Housing	Metal, IP30 protection	
	Dimension	30 x 142 x 99 mm	
	Weight	Unit: 1.55 lbs. Shipping: 1.9 lbs.	
Mounting	DIN-Rail mounting, Wall mounting		

ORDERING INFORMATION

LNP-0800G	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000T (30W/Port), 48~55VDC Power Input
LNP-0800G-T	8-Port Industrial PoE+ Gigabit Unmanaged Ethernet Switch, with 8*10/100/1000T (30W/Port), 48~55VDC Power Input; EOT: -40°C to 75°C

Assured Systems

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