LNP-0800G-24 (-T)

LNP-0800G-24-E (-T)

UNMANAGED POE GIGABIT ETHERNET WITH LOW VOLTAGE POWER INPUT

UNMANAGED POE GIGABIT ETHERNET WITH LOW VOLTAGE POWER INPUT AND E-MARK

PORT CONFIGURATION

- Support 8*10/100/1000BASE-T Gigabit Ethernet with IEEE 802.3af/at PoE+ (PSE: 30W/Port)

FEATURES

- Support 9.6Kbytes Jumbo Frame
- Support 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

RUGGED DESIGN

- IP30 Rugged Metal Case Design
- Redundant Power Input
- Fanless Operation
- Power Reverse Polarity Protection
- High EFT and ESD Protection
- Operating Temperature - STD: -10°C to 65°C, EOT: -40°C to 75°C
- 5-Year Warranty

INTRODUCTION

The LNP-0800G-24 Series is an 8-port industrial PoE+ gigabit unmanaged Ethernet switch that supports 8*10/100/1000T 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.

The LNP-0800G-24-E Series has been specifically designed for rugged and harsh environmental deployments and has E-Mark certification. 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-E 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.

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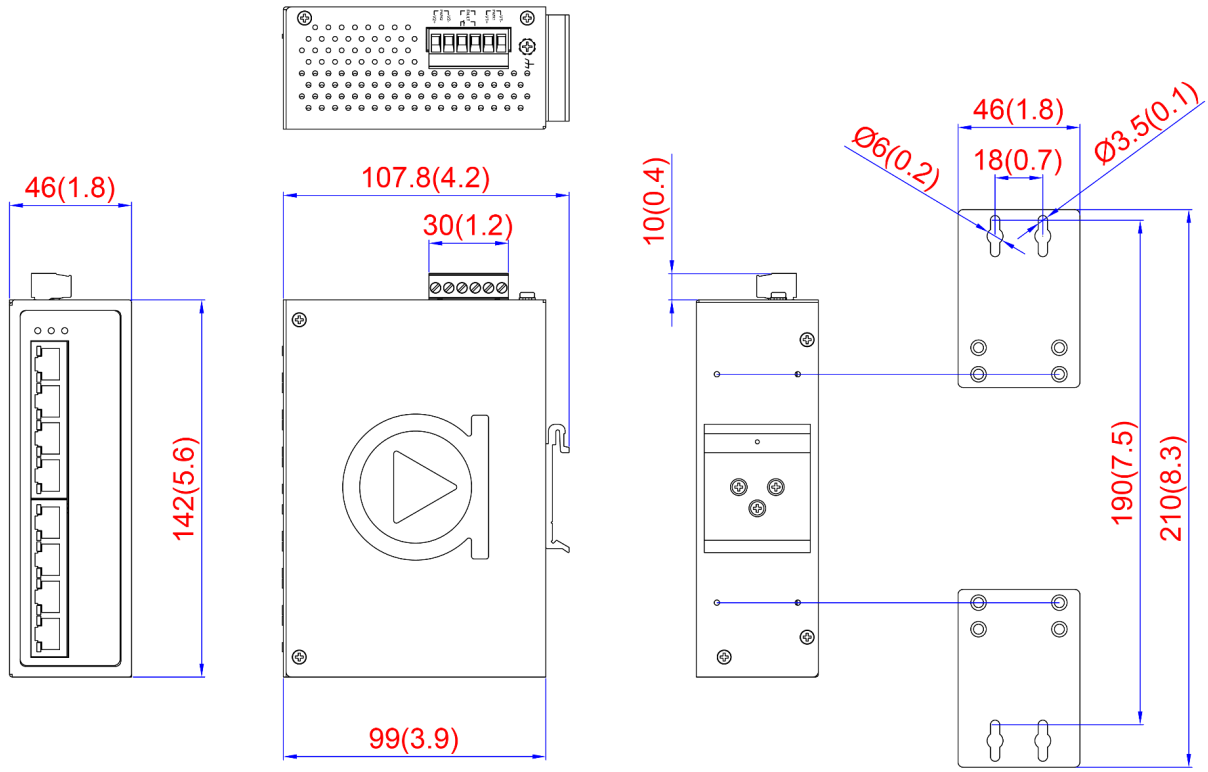
SPECIFICATIONS

Hardware Specifications

Part Number	Total Ports	RJ-45 GE	30W PoE+	PoE Power Budget	System Power	Input Voltage	Operating Temp.
LNP-0800G-24 LNP-0800G-24-E	8	8	8	60W@9VDC 90W@12VDC 150W@24VDC 200W@36VDC 240W@48~55VDC	10W	9~55VDC	-10 to 65°C 14 to 149°F
LNP-0800G-24-T LNP-0800G-24-E-T	8	8	8	60W@9VDC 90W@12VDC 150W@24VDC 200W@36VDC 240W@48~55VDC	10W	9~55VDC	-40 to 75°C -40 to 167°F

Physical Specifications

Part Number	Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Mounting	Housing	PoE LED Indicator	PoE Pin Assignment
LNP-0800G-24 LNP-0800G-24-T LNP-0800G-24-E LNP-0800G-24-E-T	46 x 142 x 99mm 1.81 x 5.59 x 3.89in	0.74kg 1.64lb	0.93kg 2.05lb	DIN-Rail, Wall Mounting	Metal, IP30	Yes	V+, V+, V-, V- for pin 1, 2, 3, 6 (End-span, MDI Alternative A)



Unit: mm (inch)

Din-rail

Wall-mount

Standards

Part Number	IEEE Standards
LNP-0800G-24 LNP-0800G-24-T LNP-0800G-24-E LNP-0800G-24-E-T	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-T Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus

Switch Properties

Specification		Specification	
Switch Architecture	Back-Plane (Switching Fabric): 16Gbps	Jumbo Frame	9.6Kbytes
Priority Queues	8	MAC Table Size	8K
Processing Type	Store and Forward	Relay Contact	24VDC, 1A resistive
Flow Control	IEEE 802.3x flow control, back pressure flow control	Overload Current Protection	Present
Packet Buffer	4Mbits	Reverse Polarity Protection	Present
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port		

Compliance Specifications

EMI	FCC Part 15 Subpart B Class A CE EN 55032/EN 61000-6-4 Class A			
EMS	CE EN 55035/EN 61000-6-2 Class A: IEC 61000-4-2,3,4,5,6,8			
Free Fall	IEC 60068-2-32			
Shock	IEC 60068-2-27			
Vibration	IEC 60068-2-6			
Green	RoHS Compliant			
Certifications	LNP-0800G-24 LNP-0800G-24-T	FCC, CE UL 61010-1 UL 61010-2-201 UL Class 1 Division 2 ISA 12.12.01	LNP-0800G-24-E LNP-0800G-24-E-T	FCC, CE E-Mark
Storage Environment	Storage Temperature: -40 to 85°C			
Humidity	Ambient Relative Humidity 5% to 95%, (non-condensing)			
Warranty	5 Years			

Mean Time Between Failures (MTBF)

Part Number	MTBF (Telcordia SR-332, Issue 3)	Part Number	MTBF (Telcordia SR-332, Issue 3)
LNP-0800G-24 LNP-0800G-24-E	At 25°C: 914,962.2436 hrs. At 65°C: 282,140.6222 hrs.	LNP-0800G-24-T LNP-0800G-24-E-T	At 25°C: 914,962.2436 hrs. At 75°C: 184,932.5220 hrs.

ORDERING INFORMATION

Switch Models

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

Power Supply Options

Part Number	Wattage	Input Voltage	PoE/PoE+ Support	Operating Temperature
NDR-120-48	120W	100-240VAC	Yes, Voltage Adjust 48-55VDC	-20~70°C / -4~158°F
NDR-240-48	240W	100-240VAC	Yes, Voltage Adjust 48-55VDC	-20~70°C / -4~158°F
NDR-480-48	480W	100-240VAC	Yes, Voltage Adjust 48-55VDC	-20~70°C / -4~158°F
SDR-120-48	120W	100-240VAC	Yes, Voltage Adjust 48-55VDC	-25~70°C / -13~158°F
SDR-240-48	240W	100-240VAC	Yes, Voltage Adjust 48-55VDC	-25~70°C / -13~158°F
SDR-480-48	480W	100-240VAC	Yes, Voltage Adjust 48-55VDC	-25~70°C / -13~158°F
PWRCORD-US	AC Power Cord (US Plug)			
PWRCORD2-US	AC Power Cord NEMA 5-15P to ROJ 3-Wire Open End (US Plug) 18 AWG 6 feet			

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