LNP-0800-24 Series

8-Port Industrial PoE+ Unmanaged Ethernet Switch with 8*10/100Tx (30W/Port), 12~36VDC Power Input

Features
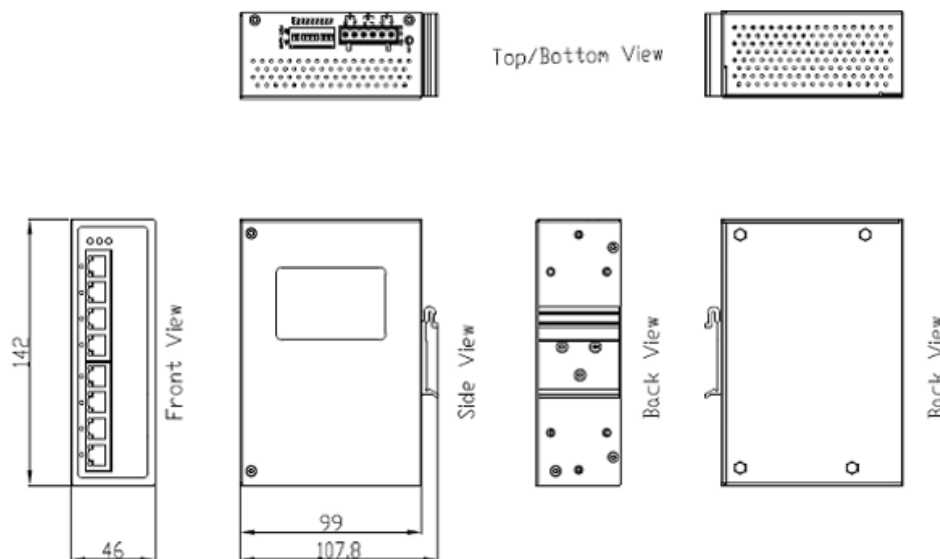
▶ **8-Port IEEE 802.3at compliant PoE+ (30W/Port)**
▶ **Supports Auto MDI/MDI-X Function**
▶ **Store-and-Forward Switching Architecture**
▶ **2K MAC Address Table**
▶ **Network Broadcast Storm Protection**
▶ **EFT Protection: 2,000 VDC Support**
▶ **ESD Protection: 6,000 VDC Support**
▶ **Redundant Power Input Design: 12~36VDC**
▶ **Built-in 1 Relay Output for Port Break Alarm**
▶ **IP30 Rugged Aluminum Case Design**
▶ **DIN-Rail and Wall Mount Support**
▶ **Operating Temperature range - STD: -10° to 70°C, EOT: -40° to 75°C**
▶ **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-0800-24 series is an industrial PoE+ unmanaged Ethernet switch featuring 8*10/100Tx PoE+ ports. Each power over Ethernet (PoE+) port supports an IEEE 802.3at high power PoE+ output up to 30W per port, making it ideal for applications that demand a PoE power source.

The LNP-0800-24 series is IP30 rated and DIN-rail mountable. There are also two wide operating temperature models for either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 75°C). The series provides Ethernet connectivity with PoE+ functions ideal for outdoor or harsh industrial application environments, such as, security surveillance, ITS-traffic monitoring systems, facility management for power/utility, water wastewater treatment plants, and automated production lines in factory automation.

DIMENSIONS

Top/Bottom View

Front View
Side View
Back View
Back View

142
99
46
107.8

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3x Flow Control and Back-Pressure IEEE 802.3at Power over Ethernet
Processing Type	Store and forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x back pressure flow control

Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Jumbo Frame	-
MAC Table	2K

Port Interface	
Ethernet RJ45 Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 8*10/100Tx (PoE+)
Fiber Port	-
PoE Port Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)

Mechanical Characteristics	
Housing	Metal IP30 rated
Dimensions	46 x 142 x 99 mm
Weight	Unit: 1.68 lbs; Shipping: 2.0 lbs
Mounting	DIN-Rail; Wall-mount (optional)

Power Requirement	
Input Voltage & Power Connection	12~36VDC, Redundant Input w/ removable 4-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Slow-Blown Fuse
PoE Power Output	30W @ 53VDC (per PoE port)
Power Consumption	210 Watts @ 12VDC 250 Watts @ 24~36VDC

Environmental Limits	
Operating Temperature	STD: -10° to 70° C EOT: -40° to 75° C
Storage Temperature	-40°C ~ 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 EN6100-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

LNP-0800-24	8-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 8*10/100Tx (30W/Port), 12~36VDC Input
LNP-0800-24-T	8-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 8*10/100Tx (30W/Port), 12~36VDC Input EOT: -40° to 75°C

Optional Accessories	
DR-45-24	45W Industrial DIN-Rail Power Supply
DR-75-24	75W Industrial DIN-Rail Power Supply
SDR-120-24	120W Industrial DIN-Rail Power Supply
SDR-240-24	240W Industrial DIN-Rail Power Supply