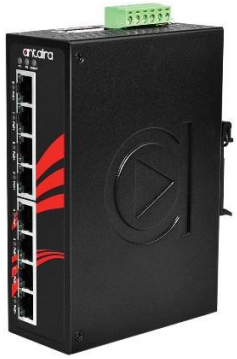
LNP-0800-24 Series

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



Features

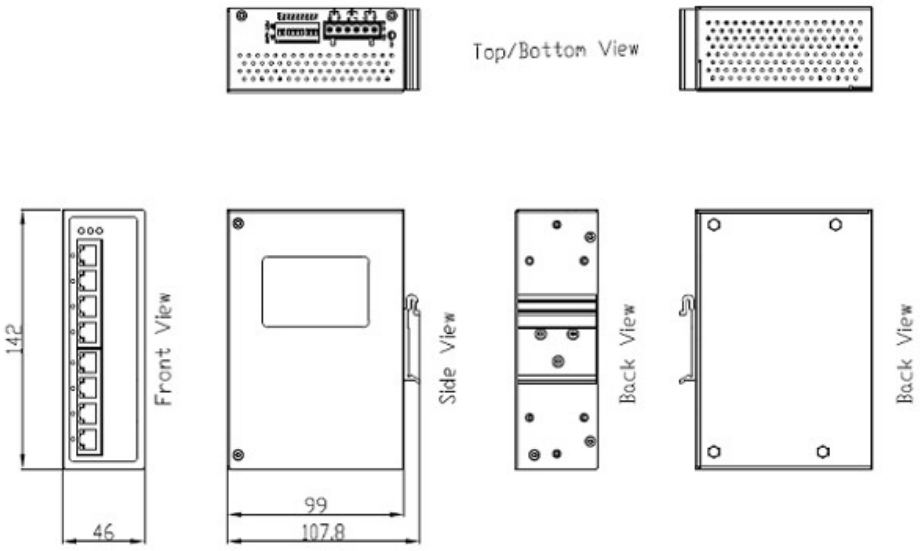
- 8-Port IEEE 802.3at compliant PoE+ (30W/Port)
- Supports Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- 2K MAC Address Table
- Network Broadcast Storm Protection
- EFT Protection: 2,000 VDC Support
- ESD Protection: 6,000 VDC Support
- Redundant Power Input Design: 12~36VDC
- 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



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