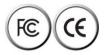# LNP-0800-60-24 Series

8-Port Industrial PoE+/4PPoE Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 4*10/100Tx (60W/Port), 12~36VDC Power Input
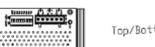
Features

▶ **4-Port IEEE 802.3bt Compliant 4PPoE (60W/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**
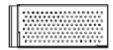▶ **5-Year Warranty**

INTRODUCTION

Antaira Technologies' LNP-0800-60-24 series is an industrial 4PPoE unmanaged Ethernet switch featuring 4*10/100Tx 4PPoE Type 3 ports and 4*10/100Tx PoE+. Ports 1-4 support an IEEE 802.3bt Type 3 high power 4PPoE output up to 60W per port, ports 5-8 support an IEEE 802.3at PoE+ output up to 30W per port.
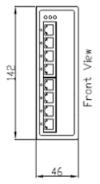
The LNP-0800-60-24 series is IP30 rated and DIN-rail mountable. There are also two wide operating temperature models for either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 75°C). The series provides Ethernet connectivity with 4PPoE / PoE+ functions 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.
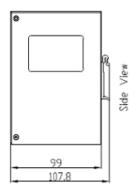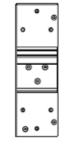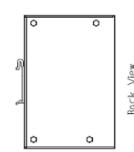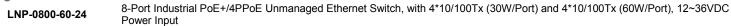
DIMENSIONS

Top/Bottom View

Front View
Side View
Back View
Back View

142
46
99
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 802.3bt 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
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 Port Pin Assignment	V+ for pin 3, 4, 5, 6 V- for pin 1, 2, 7, 8

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 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Slow-Blown Fuse
PoE Power Output	Up to 60W @ 53VDC (port 1-4) Up to 30W @ 53VDC (port 5-8)
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
Warranty	5 Years

ORDERING INFO

LNP-0800-60-24	8-Port Industrial PoE+/4PPoE Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 4*10/100Tx (60W/Port), 12~36VDC Power Input
LNP-0800-60-24-T	8-Port Industrial PoE+/4PPoE Unmanaged Ethernet Switch, with 4*10/100Tx (30W/Port) and 4*10/100Tx (60W/Port), 12~36VDC Power Input, EOT: -40° to 75°C