

# LNP-0802-24 Series

8-Port Industrial PoE+ Unmanaged Ethernet Switch, with 6\*10/100Tx (30W/Port) and 2\*100Fx, 12~36VDC Power Input



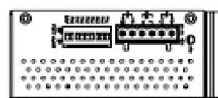
## Features

- ▶ Network Broadcast Storm Protection
- ▶ 6-Port IEEE 802.3at Compliant PoE+ Function with 30W/Port
- ▶ 2-Port 100Fx SC/ST Type Connector (Multi / Single Mode)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Function Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Surge 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

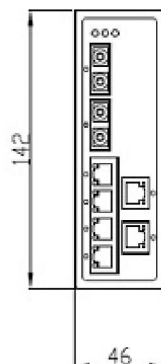
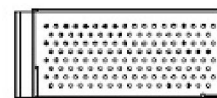
## INTRODUCTION

Antaira Technologies' LNP-0802-24 series switch is a smart 8-port Industrial Unmanaged Ethernet Switch that supports IEEE-802.3at (Power-over-Ethernet Plus) on ports 1 to 6. The switch comes with 2 x 100Fx ports with SC or ST type connectors and supports Multi-mode in 2Km, or Single-mode in 30Km. The LNP-0802-24 series switch supports a dual power input having a low voltage range (12~36VDC) and a built-in voltage booster, allowing the unit to give a full 48VDC PoE power for any mobile PoE application or any low voltage power sourcing environment. The LNP-0802-24 series provides up to 30 watts of power per port. This switch can be used to power IEEE 802.3af or 802.3at compliant power devices (PD), eliminating the need for additional wiring, and supports IEEE 802.3/802.3u/802.3x with 10/100BTx, full or half duplex, and MDI/MDI-X auto sensing to provide an economical solution for the Industrial Ethernet Network. In addition, the Network Broadcast Storm Protection and built-in relay warning function alerts network engineers when power failures or port breaks occur.

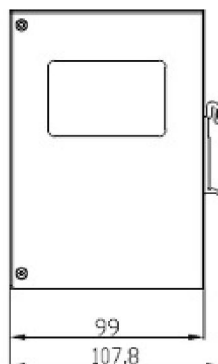
## DIMENSIONS



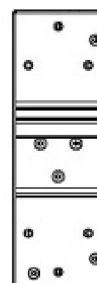
Top/Bottom View



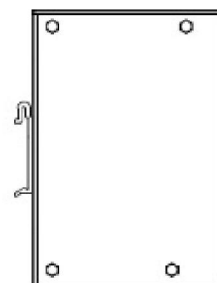
Front View



Side View



Back View



Back View

## SPECIFICATIONS

<b>Technology</b>	
<b>Standards</b>	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
<b>Processing Type</b>	Store-and-Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control
<b>Switch Properties</b>	
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
<b>MAC Table Size</b>	2K
<b>Interface</b>	
<b>Ethernet Port</b>	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 6*10/100Tx (PoE+)
<b>PoE Pin Out</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
<b>Fiber Port</b>	2*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um ~ 62.5/125um, Single-mode (30Km) - 9/125um ~ 10/125um
<b>Wavelength</b>	1310nm (Multi-mode and Single-mode)
<b>Mechanical Characteristics</b>	
<b>Housing</b>	Metal, IP30 protection
<b>Dimensions</b>	46 x 142 x 99 mm
<b>Weight</b>	Unit: 1.7 lbs Shipping: 2.1 lbs
<b>Mounting</b>	DIN-Rail, Wall mounting (Optional)

<b>Power Requirement</b>	
<b>Input Voltage</b>	12~36VDC, Redundant Input
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Reverse Polarity Protection</b>	Present
<b>Overload Current Protection</b>	Present
<b>Power Consumption</b>	145 Watts @ 12VDC; 200 Watts @ 24VDC
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -10° to 70°C EOT: -40° to 75°C
<b>Storage Temperature</b>	-40°~85°C
<b>Ambient Relative Humidity</b>	5 to 95%, (Non-condensing)
<b>Regulatory Approvals</b>	
<b>EMI</b>	FCC Class A
<b>EMS</b>	EN6100-4-2,3,4,5,6,8 EN6100-6-2,4
<b>Free Fall Shock</b>	IEC60068-2-32 IEC60068-2-27
<b>Vibration Green</b>	IEC60068-2-6 RoHS Compliant
<b>Certifications</b>	FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01
<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNP-0802-M-24</b>	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx (SC) Multi-mode 2Km, 12~36VDC Input
<b>LNP-0802-M-24-T</b>	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx (SC) Multi-mode 2Km, 12~36VDC Input; EOT: -40°~75°C
<b>LNP-0802-ST-M-24</b>	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx (ST) Multi-mode 2Km, 12~36VDC Input
<b>LNP-0802-ST-M-24-T</b>	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx (ST) Multi-mode 2Km, 12~36VDC Input; EOT: -40°~75°C
<b>LNP-0802-S3-24</b>	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx Single-mode 30Km, 12~36VDC Input
<b>LNP-0802-S3-24-T</b>	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx Single-mode 30Km, 12~36VDC Input; EOT: -40°~75°C
<b>LNP-0802-ST-S3-24</b>	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx Single-mode (ST) 30Km, 12~36VDC Input
<b>LNP-0802-ST-S3-24-T</b>	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx Single-mode (ST) 30Km, 12~36VDC Input; EOT: -40°~75°C

### Optional Accessories

<b>DR-45-24</b>	45 Watt Series Industrial Single Output DIN-Rail Power Supply - 24 VDC / 2.0 Amps
<b>DR-75-24</b>	75 Watt Industrial Single Output DIN-Rail Power Supply - 24 VDC / 3.2 Amps
<b>SDR-120-24</b>	120 Watt Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply - 24 VDC / 5.0 Amps
<b>SDR-240-24</b>	240 Watt Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply - 24 VDC / 10.0 Amps