LNP-0802-24 Series

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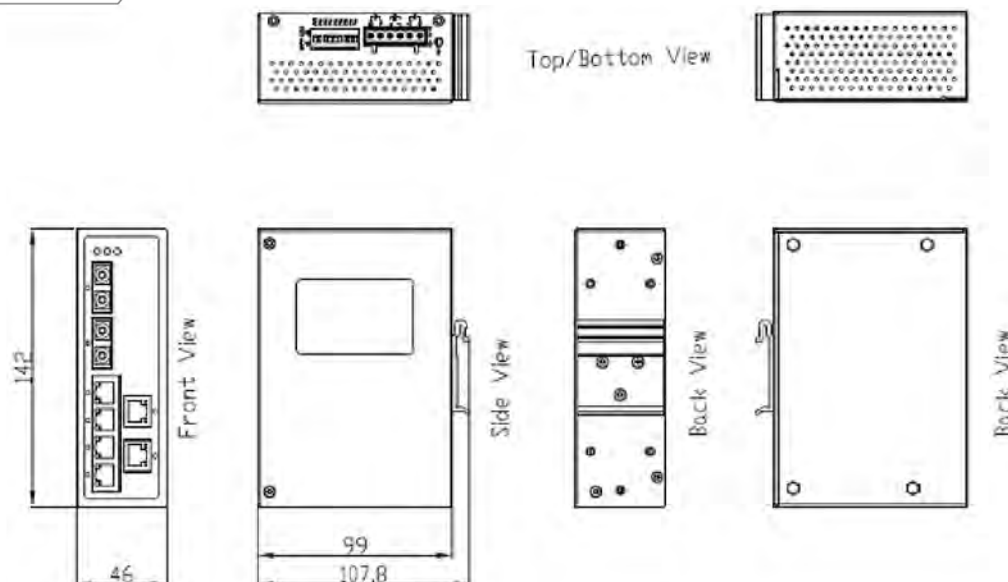
Features

▶ **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

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 flow control, back pressure flow control

Switch Properties	
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
MAC Table Size	2K

Interface	
Ethernet Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 6*10/100Tx (PoE+)
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
Fiber Port	2*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um ~ 62.5/125um, Single-mode (30Km) - 9/125um ~ 10/125um
Wavelength	1310nm (Multi-mode and Single-mode)

Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 142 x 99 mm
Weight	Unit: 1.7 lbs Shipping: 2.1 lbs
Mounting	DIN-Rail, Wall mounting (Optional)

Power Requirement	
Input Voltage	12~36VDC, Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
Power Consumption	145 Watts @ 12VDC; 200 Watts @ 24VDC

Environmental Limits	
Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Storage Temperature	-40°~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-0802-M-24	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx (SC) Multi-mode 2Km, 12~36VDC Input
LNP-0802-M-24-T	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
LNP-0802-ST-M-24	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx (ST) Multi-mode 2Km, 12~36VDC Input
LNP-0802-ST-M-24-T	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
LNP-0802-S3-24	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx Single-mode 30Km, 12~36VDC Input
LNP-0802-S3-24-T	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
LNP-0802-ST-S3-24	8-Port Industrial PoE+ Unmanaged Ethernet Switch, w/6*10/100Tx (30W/Port) and 2*100Fx Single-mode (ST) 30Km, 12~36VDC Input
LNP-0802-ST-S3-24-T	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	
DR-45-24	45 Watt Series Industrial Single Output DIN-Rail Power Supply - 24 VDC / 2.0 Amps
DR-75-24	75 Watt Industrial Single Output DIN-Rail Power Supply - 24 VDC / 3.2 Amps
SDR-120-24	120 Watt Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply - 24 VDC / 5.0 Amps
SDR-240-24	240 Watt Industrial Slim High-Efficiency Single Output DIN-Rail Power Supply - 24 VDC / 10.0 Amps