

LNP-0802-24 Series

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



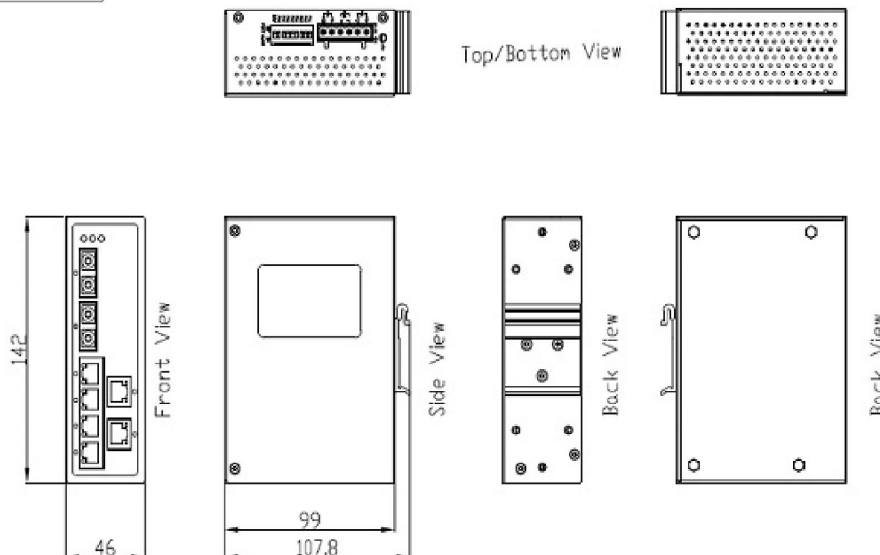
Features

- ▶ 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		Power Requirement	
Standards	IEEE 802.3 10BaseT Ethernet	Input Voltage	12~36VDC, Redundant Input
	IEEE 802.3u 100BaseTX Fast Ethernet	Power Connection	1 removable 6-contact terminal block
	IEEE 802.3x Flow Control and Back-Pressure	Reverse Polarity Protection	Present
	IEEE 802.3at Power over Ethernet	Overload Current Protection	Present
Processing Type	Store-and-Forward	Power Consumption	145 Watts @ 12VDC; 200 Watts @ 24VDC
Protocol	CSMA/CD	Environmental Limits	
Flow Control	IEEE 802.3x flow control, back pressure flow control	Operating Temperature	STD: -10° to 70°C EOT: -40° to 75°C
Switch Properties		Storage Temperature	-40°~85°C
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps Packet Throughput Ability (Full-Duplex): 1.488Mpps @ 64bytes	Ambient Relative Humidity	5 to 95%, (Non-condensing)
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port	Regulatory Approvals	
MAC Table Size	2K	EMI	FCC Class A
Interface		EMS	EN6100-4-2,3,4,5,6,8 EN6100-6-2,4
Ethernet Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 6*10/100Tx (PoE+)	Free Fall	IEC60068-2-32
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)	Shock	IEC60068-2-27
Fiber Port	2*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um ~ 62.5/125um, Single-mode (30Km) - 9/125um ~ 10/125um	Vibration	IEC60068-2-6
Wavelength	1310nm (Multi-mode and Single-mode)	Green	RoHS Compliant
Mechanical Characteristics		Certifications	FCC, CE, UL 508, UL Class 1 Division 2, ISA 12.12.01
Housing	Metal, IP30 protection	Warranty	5 Years
Dimensions	46 x 142 x 99 mm		
Weight	Unit: 1.7 lbs Shipping: 2.1 lbs		
Mounting	DIN-Rail, Wall mounting (Optional)		

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

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US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660