

# LNP-0602 Series

6-Port Industrial PoE+ Unmanaged Ethernet Switch with 4\*10/100Tx (30W/Port) + 2\*100Fx (SC or ST)



## Features

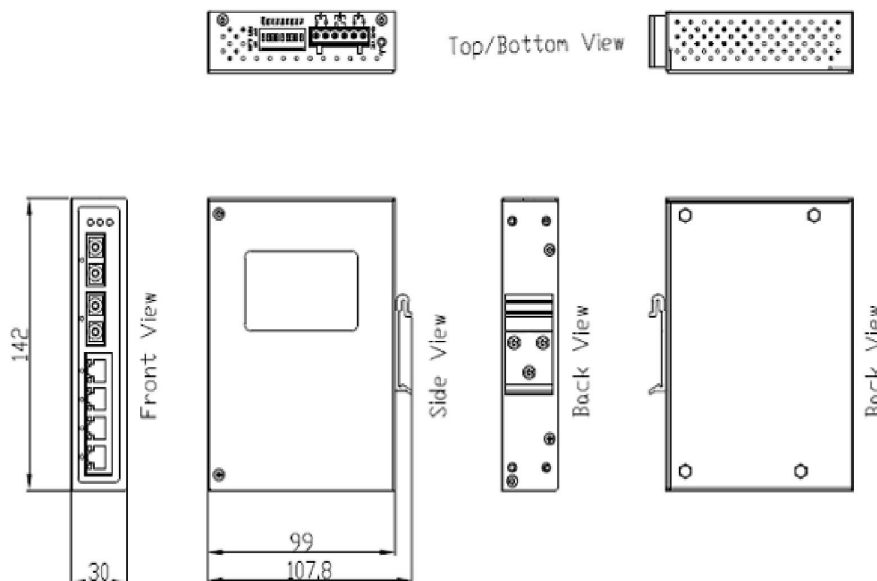
- ▶ 4-Ports 10/100Tx IEEE 802.3at Compliant PoE+ (30W/Port)
- ▶ 2-Ports 100Fx SC/ST Type Connector (Multi / Single-Mode)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Network Broadcast Storm Protection
- ▶ EFT Protection: 2,000 VDC Support
- ▶ ESD Protection: 6,000 VDC Support
- ▶ Redundant Power Input Design: 48~55VDC
- ▶ 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-0602 series is a 6-port industrial PoE+ unmanaged Ethernet switch embedded with 4\*10/100Tx Ethernet ports that support IEEE 802.3at/af for a maximum of 30W per port and 2\*100Fx fiber ports (SC or ST connector) fiber ports with optional versions for multi-mode (2Km) and single-mode (30Km).

The LNP-0602 series is IP30 rated, DIN-rail mountable, and supports 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) perfect for outdoor or harsh industrial application environments. The LNP-0602 series can be used in a variety of PoE applications, such as, security surveillance, ITS-traffic monitoring systems, facility management for power/utility, water wastewater treatment plants, or automated production lines in factory automation.

## DIMENSIONS



## 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 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 10Base-T Ethernet port 148,880pps for 100Base-T Fast Ethernet port
<b>Jumbo Frame</b>	-
<b>MAC Table</b>	8K
<b>Port Interface</b>	
<b>Ethernet RJ45 Port</b>	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 4*10/100Tx (PoE+) + 1*10/100Tx
<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>PoE Port Pin Assignment</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
<b>Mechanical Characteristics</b>	
<b>Housing</b>	Metal IP30 rated
<b>Dimensions</b>	30 x 142 x 99 mm
<b>Weight</b>	Unit: 1.1 lbs; Shipping: 1.45 lbs
<b>Mounting</b>	DIN-Rail; Wall-mounting (included)

<b>Power Requirement</b>	
<b>Input Voltage &amp; Power Connection</b>	48~55VDC Redundant Input w/ removable 4-contact terminal block
<b>Reverse Polarity Protection</b>	Present
<b>PoE Power Output</b>	25W @ 48VDC (per PoE port); 30W @ 51~55VDC (per PoE port)
<b>Power Consumption</b>	110 Watts @ 48VDC 130 Watts @ 51~55VDC
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	STD: -10° to 70°C EOT: -40° to 75°C
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Regulatory Approvals</b>	
<b>EMI</b>	FCC Class A EN6100-4-2 EN6100-4-3 EN6100-4-4 EN6100-4-5 EN6100-4-6 EN6100-4-8 EN6100-6-2 EN6100-6-4
<b>EMS</b>	
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Green</b>	RoHS Compliant FCC, CE, UL 508,
<b>Certifications</b>	UL Class 1 Division 2, ISA 12.12.01
<b>Warranty</b>	5 Years

## ORDERING INFO

<b>LNP-0602-M</b>	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Multi-mode Fiber (2Km), SC connector
<b>LNP-0602-M-T</b>	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Multi-mode Fiber (2Km), SC connector; EOT: -40° to 75° C
<b>LNP-0602-ST-M</b>	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Multi-mode Fiber (2Km), ST connector
<b>LNP-0602-ST-M-T</b>	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Multi-mode Fiber (2Km), ST connector; EOT: -40° to 75° C
<b>LNP-0602-S3</b>	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Single-mode Fiber (30Km), SC connector
<b>LNP-0602-S3-T</b>	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Single-mode Fiber (30Km), SC connector; EOT: -40° to 75° C
<b>LNP-0602-ST-S3</b>	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Single-mode Fiber (30Km), ST connector
<b>LNP-0602-ST-S3-T</b>	6-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 4*10/100Tx (30W/Port) + 2*100Fx Single-mode Fiber (30Km), ST connector; EOT: -40° to 75° C
<b>Optional Accessories</b>	
<b>DR-75-48</b>	75W Industrial Din Rail Power Supply
<b>SDR-120-48</b>	120W Industrial Din Rail Power Supply
<b>SDR-240-48</b>	240W Industrial Din Rail Power Supply

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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