

LNP-0602 Series

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



Features

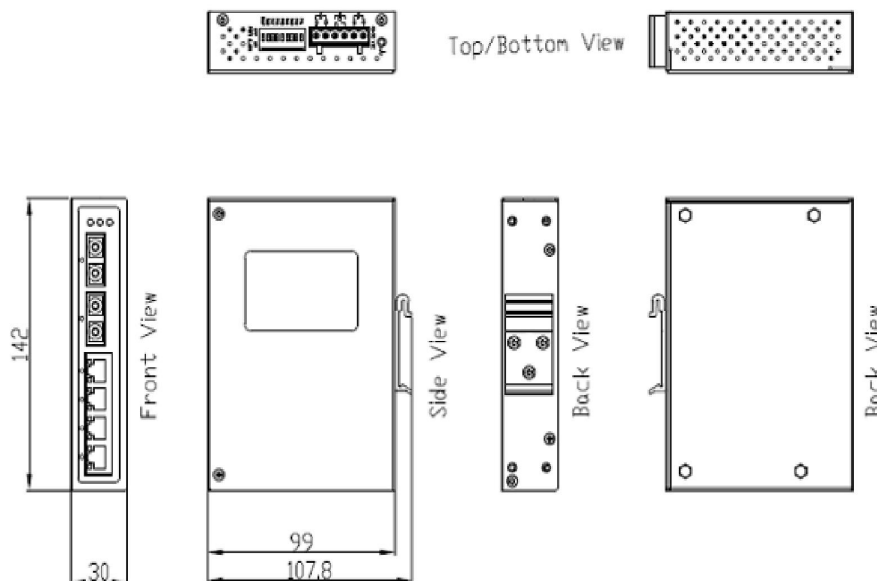
- ▶ 4-Ports 10/100Tx IEEE 802.3at Compliant PoE+ (30W/Port)
- ▶ 2-Ports 100Fx SC/ST Type Connector (Multi / Single-Mode)
- ▶ Supports Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ 2K MAC Address Table
- ▶ Network Broadcast Storm Protection
- ▶ EFT Protection: 2,000 VDC Support
- ▶ 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

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 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 10Base-T Ethernet port 148,880pps for 100Base-T Fast Ethernet port
Jumbo Frame	-
MAC Table	8K
Port Interface	
Ethernet RJ45 Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection 4*10/100Tx (PoE+) + 1*10/100Tx
Fiber Port	2*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um ~ 62.5/125um, Single-mode (30Km) - 9/125um ~ 10/125um
PoE Port Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
Mechanical Characteristics	
Housing	Metal IP30 rated
Dimensions	30 x 142 x 99 mm
Weight	Unit: 1.1 lbs; Shipping: 1.45 lbs
Mounting	DIN-Rail; Wall-mounting (included)

Power Requirement	
Input Voltage & Power Connection	48~55VDC Redundant Input w/ removable 4-contact terminal block
Reverse Polarity Protection	Present
PoE Power Output	25W @ 48VDC (per PoE port); 30W @ 51~55VDC (per PoE port)
Power Consumption	110 Watts @ 48VDC 130 Watts @ 51~55VDC
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 EN6100-4-2 EN6100-4-3 EN6100-4-4 EN6100-4-5 EN6100-4-6 EN6100-4-8 EN6100-6-2 EN6100-6-4
EMS	
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant FCC, CE, UL 508,
Certifications	UL Class 1 Division 2, ISA 12.12.01
Warranty	5 Years

ORDERING INFO

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

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