

## LNP-0800 series

Powerful 8-port PoE+ Ethernet switch for industrial applications

**BRESSNER**  
A ONE STOP SYSTEMS COMPANY



### Features

- 8x 10/100Tx PoE+ ports with up to 30W power per port
- Compliant with IEEE 802.3at high-power standards
- Supports Auto-MDI/MDI-X functions
- Robust IP30 metal housing and flexible mounting
- Extended temperature range from -40°C to 75°C

### LNP-0800 series – 8-Port PoE+ Unmanaged Ethernet Switch with maximum PoE+ performance

The LNP-0800 series from Antaira Technologies offers robust and reliable 8-port PoE+ unmanaged Ethernet switches specifically designed for industrial networking requirements. With its powerful PoE+ features and ruggedized design, this series is ideal for demanding applications in harsh environments.

#### Powerful 8-port PoE+ connectivity

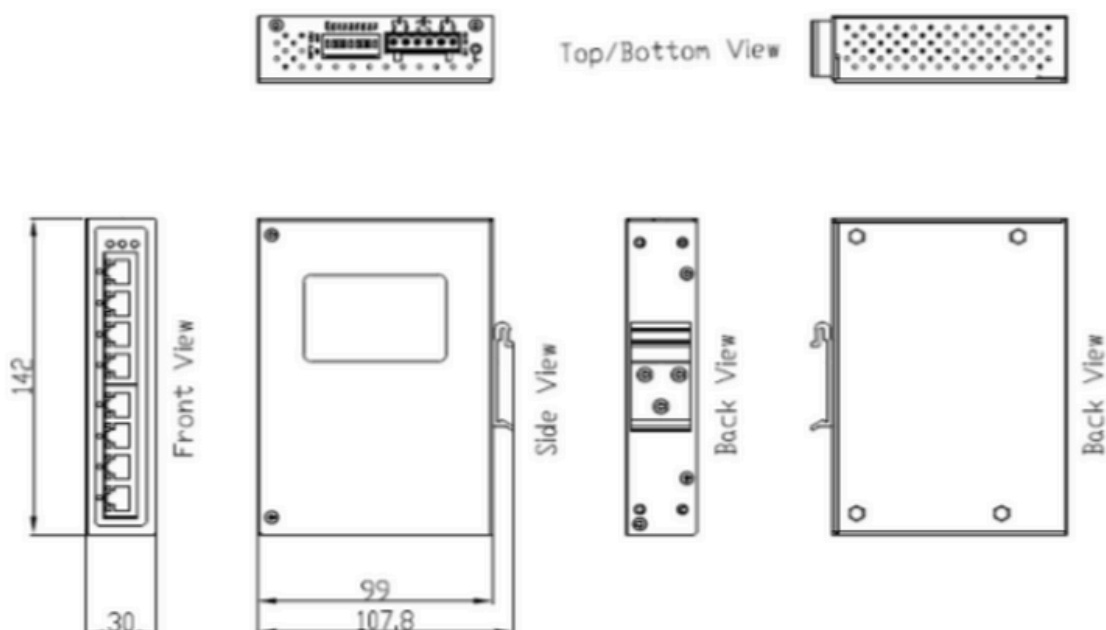
The LNP-0800 series has eight 10/100Tx PoE+ ports, each delivering up to 30W of power according to IEEE 802.3at High-Power PoE+ standards. This makes this series perfect for devices such as IP cameras, access points and other PoE+-capable end devices.

#### Robust design for extreme conditions

The IP30-certified metal housing of the LNP-0800 series ensures maximum reliability in industrial environments. The switches can be mounted on DIN rails as well as on walls and are available in two temperature variants: in the standard range (STD), they operate reliably at temperatures between -10°C and 70°C, while the EOT models even cover an extended range of -40°C to 75°C. This makes them ideal for use in industrial environments. This makes them ideal for use in environments with extreme temperature fluctuations. The LNP-0800 series is designed for a wide range of industrial applications, including indoor and outdoor security monitoring systems, ITS traffic monitoring systems that require reliable data transmission, building management solutions for energy and utility companies and water treatment plants where robust network components are essential. This series also proves to be a reliable solution in automated manufacturing, where a stable network connection is crucial.

The LNP-0800 series combines the highest network performance, Power over Ethernet functionality and industrial robustness to meet the requirements of modern industrial applications. Choose a solution that prioritizes reliability and efficiency.

### Technical Drawing (mm)



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LNP-0800 series	
<b>SWITCH FEATURES</b>	
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
Protocols	CSMA/CD
Processing Type	Store and Forward
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps
Transfer Rate	14.880pps for 10Base-T Ethernet connection 148.8800pps for 100Base-T Fast Ethernet connection
MAC Table	2K
Flow Control	IEEE 802.3x flow control, back pressure flow control
<b>INTERFACE</b>	
Ethernet	8x 10/100BaseTx (PoE+) 10/100BaseTx Auto negotiation speed, Full/Half duplex mode, and auto MDI connection
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI-X Alternative A)
<b>ENVIRONMENTAL</b>	
Housing	Metal
Protection	Overcurrent protection: Slow-blow fuse Reverse polarity protection
Power Supply	48~55VDC Redundant input 1x removable 4-pin terminal block PoE power output: 25W @ 48VDC (per PoE port); 30W @ 51~55VDC (per PoE port) Power consumption: 210W @ 48VDC; 250W @ 51~55VDC
Operating Temperature	Standard: -10° C ~ 70° C Extended: -40° C ~ 75° C
Storage Temperature	-40° C ~ 85° C
Vibration / Shock Resistance	Vibration: IEC60068-2-6 Shock: IEC60068-2-27 Free Fall: IEC60068-2-32
Humidity	5~95% (non-condensing)
Dimensions (W x D x H)	30 x 142 x 99mm
Weight	0.498kg
Mounting	DIN-rail, Wallmount (optional)
IP Rating	IP30
Certifications	EMI: FCC Class A EMS: EN6100-4-2,3,4,5,6,8, EN6100-6-2,4 Other: RoHS Compliant, FCC, CE, UL508, UL Class 1 Division 2, ISA 12.12.01

Ordering Information	
LNP-0800	5-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 8x 10/100Tx (30W/Port)
LNP-0800-T	5-Port Industrial 802.3at PoE+ Unmanaged Ethernet Switch with 8x 10/100Tx (30W/Port); 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
SDR-480-48	480W Industrial DIN-Rail Power Supply