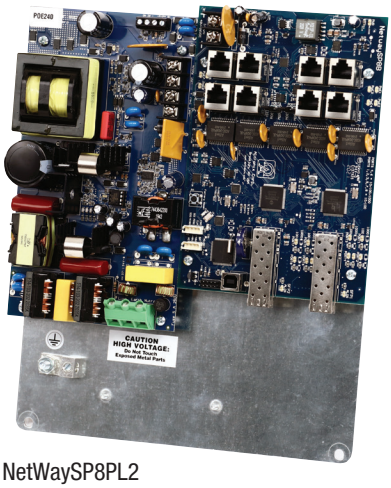
Altronix®

Rev. 05122025

NetWaySP8PL2

8-port Hardened PoE+ Switch with Integral Power on a Backplane

Altronix NetWaySP8PL2 supports up to 60W per port (240W total power) for deploying the latest high-powered IP devices in remote locations. It is equipped with two (2) 1Gb SFP ports to transmit data at long distances and eight (8) PoE+ (30W) or two (2) 60W Ethernet ports. NetWaySP8PL2 accommodates single/multi-mode fiber cable to deliver data from NetWay Spectrum head-end media converters/injectors. Embedded LINQ Technology allows to monitor, control, and report power and diagnostics from anywhere.



NetWaySP8PL2

Key Features

- Eight (8) PoE/PoE+ (up to 30W) ports or two (2) 60W ports (240W total power)
- IEEE 802.3af, 802.3at compliant or 60W
- Two (2) Gigabit SFP ports
- VLAN (Virtual Local Area Networks) subnetwork allows for the grouping together of devices for improved network traffic and higher security
- Built-in charger for $LiFePO_4$ (Lithium Iron Phosphate) or sealed lead acid or gel type batteries
- CE European Conformity
- Switch and power supply are factory mounted on a backplane
- LINQ Technology:
  - Remote network management allows for camera/device reset and diagnostic monitoring
  - Provides local and/or remote access to critical information via LAN/WAN
  - Email and Windows Dashboard Alert notifications report real-time events
  - Event log tracks history

Similar products

NetWaySP8WPX2	Outdoor 8-port Hardened PoE+ Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWaySP8WP2	Outdoor 8-port Hardened PoE+ Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure
NetWaySP8X2	8-port Hardened PoE+ Switch with Integral Power in NEMA 1 Rated indoor enclosure

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA
phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

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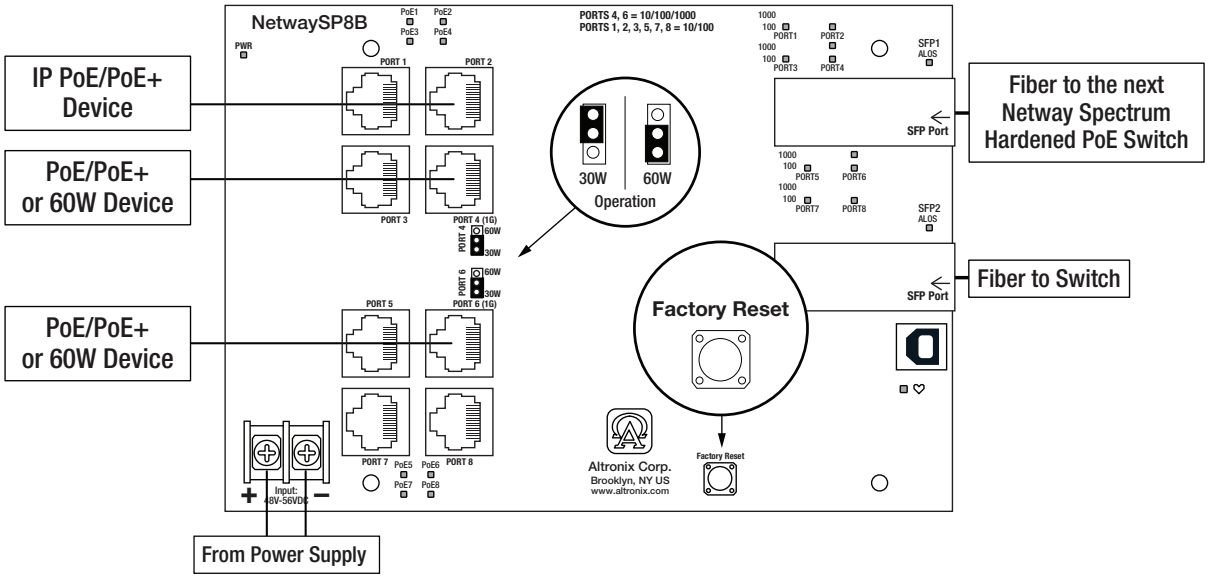
8-port Hardened PoE+ Switch with Integral Power on a Backplane

Typical Application



Accessories (order separately)

SFP Modules - Hot Pluggable Transceivers

P1MM	Multi-Mode SFP Module for distances up to 550m
P1SM10	Single-Mode SFP Module for distances up to 10km
P1AB2K	Single Strand SFP Module for distances up to 2km
P1GCE	Copper SFP Module for distances up to 100m

NetWaySP1A

Ethernet over Fiber Media Converter/Repeater for Applications Requiring an Additional SFP (Fiber) Port

NetWaySP1A PoE powered media converter/repeater converts 10/100/1000 Mbps to Fiber (1000Base-X/SX/LX).

NetWaySP8PL2

8-port Hardened PoE+ Switch with Integral Power on a Backplane

Specifications

8-port PoE+ Hardened Switch (NetWaySP8B):

Input

Voltage	56VDC from POE240

Power Output

Maximum Power	Eight (8) PoE+ (30W) ports or two (2) 60W ports IEEE 802.3at (30W) and IEEE 802.3af (15W) compliant 240W total power Integral surge protection
Fiber Ports:	Two (2) Gigabit SFP ports
Ethernet Ports:	Six (6) 10/100 Mbps and two (2) 10/100/1000 Mbps ports Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation

LINQ Technology:

Remote network management allows for camera/device reset and monitoring
Provides local and/or remote access to critical information via LAN/WAN
Email and Windows Dashboard Alert notifications report real-time diagnostics
Event log tracks history

Indicators (LED)

Individual **PoE On** LEDs for each port
Individual **IP Link status, 10/100Base-T/active** LEDs for each port
ALOS LED indicates fiber connection for SFP port
Heartbeat LED indicates proper operation of the unit

VLAN:

Multiple management VLAN assignment
802.1Q Tagged VLAN
Up to 10 VLAN groups. ID Range 2-4095

Power Supply/Charger (POE240):

Input

Voltage	115VAC, 60Hz, 2.5A or 230VAC, 50/60Hz, 1.3A
Input Fuse	5A/250V

Output

Voltage Range	56VDC/240W
Current	6.4A continuous supply current
Maximum Power	240W total power *(refer to operating temperature)* Integral surge protection

Battery Charging

Type	$LiFePO_4$ (Lithium Iron Phosphate) or sealed lead acid or gel type
Failover	Upon AC loss, instantaneous
Charging Circuit	24VDC, 0.75A Batteries are sold separately

NetWaySP8PL2:

Agency Listings:

CE	European Conformity

Physical and Environmental

Dimensions (H x W x D)	
Backplane:	10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm)
Shipping:	12" x 10" x 8" (304.8mm x 254mm x 203.2mm)
Weight (approx.)	
Product:	2.8 lb. (1.27 kg)
Shipping:	4.2 lb. (1.9 kg)
Temperature	
Operating:	
240W:	– 30ºC to 55ºC (– 22ºF to 131ºF)
180W:	– 30ºC to 65ºC (– 22ºF to 149ºF)
150W:	– 30ºC to 75ºC (– 22ºF to 167ºF)
Storage:	– 30ºC to 85ºC (– 22ºF to 185ºF)
Relative Humidity	85% +/– 5%
BTU/Hr (approx.)	122 BTU/Hr.
Operating Altitude:	– 304.8 to 2,000m

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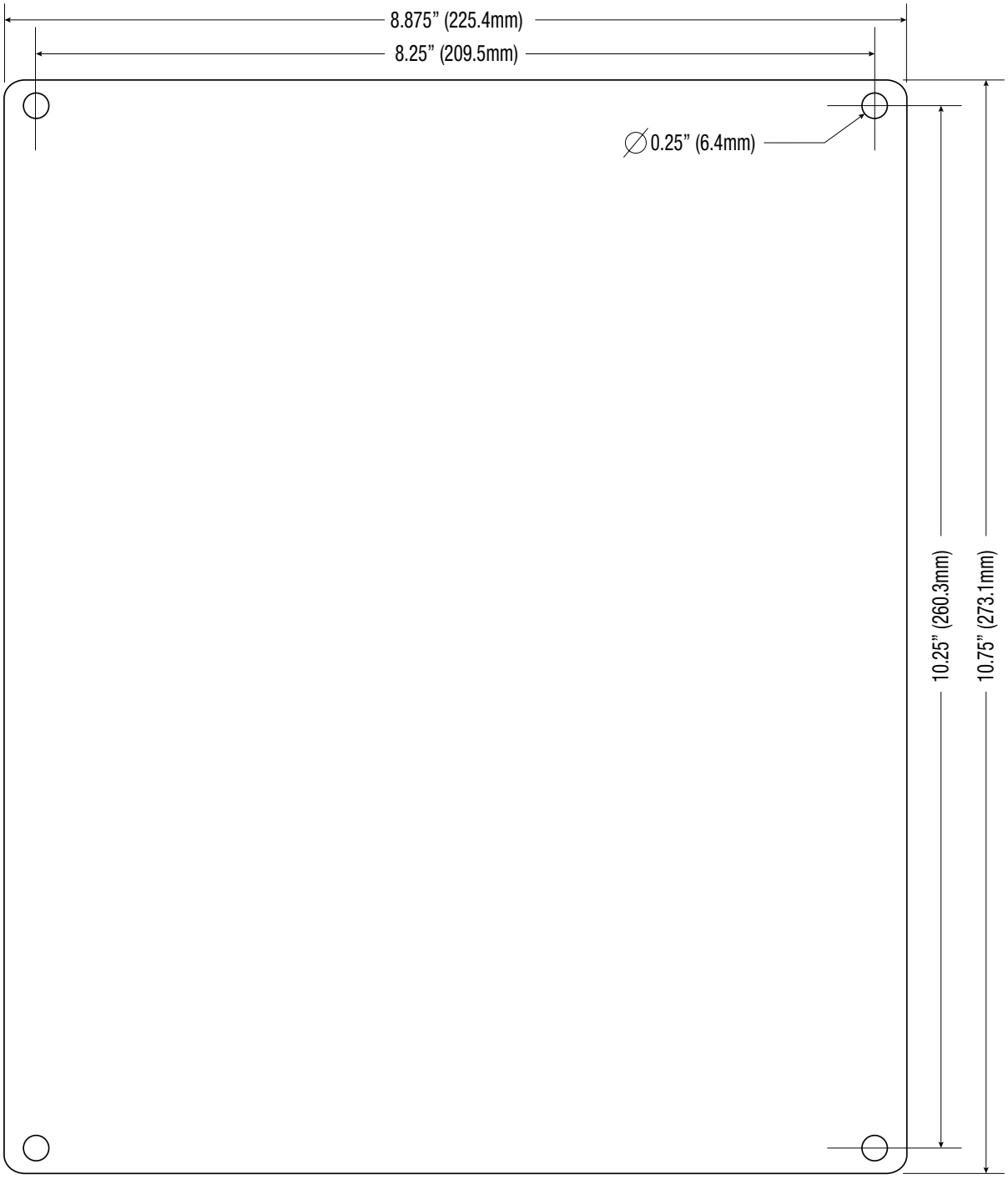
Dimensions and Drawing

Backplane Dimensions (H x W x D approximate)

10.75” x 8.875” x 2.375” (273.1mm x 225.4mm x 60.3mm)