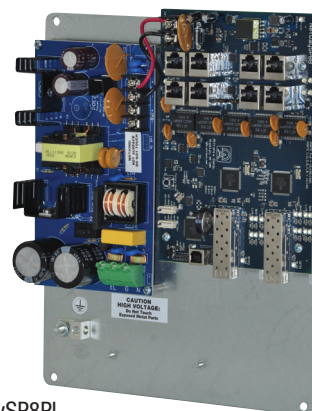# Altronix®

NetWaySP8PL

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

Netway SPECTRUM

Altronix NetWaySP8PL PoE+ Switch provides two (2) 1Gb SFP (Fiber) ports and eight (8) PoE+ (30W) or two (2) Hi-PoE (60W) ports. Cameras/edge devices may be located up to 100m from the unit. Embedded LINQ Technology allows you to monitor, control, and report power and diagnostics from anywhere.
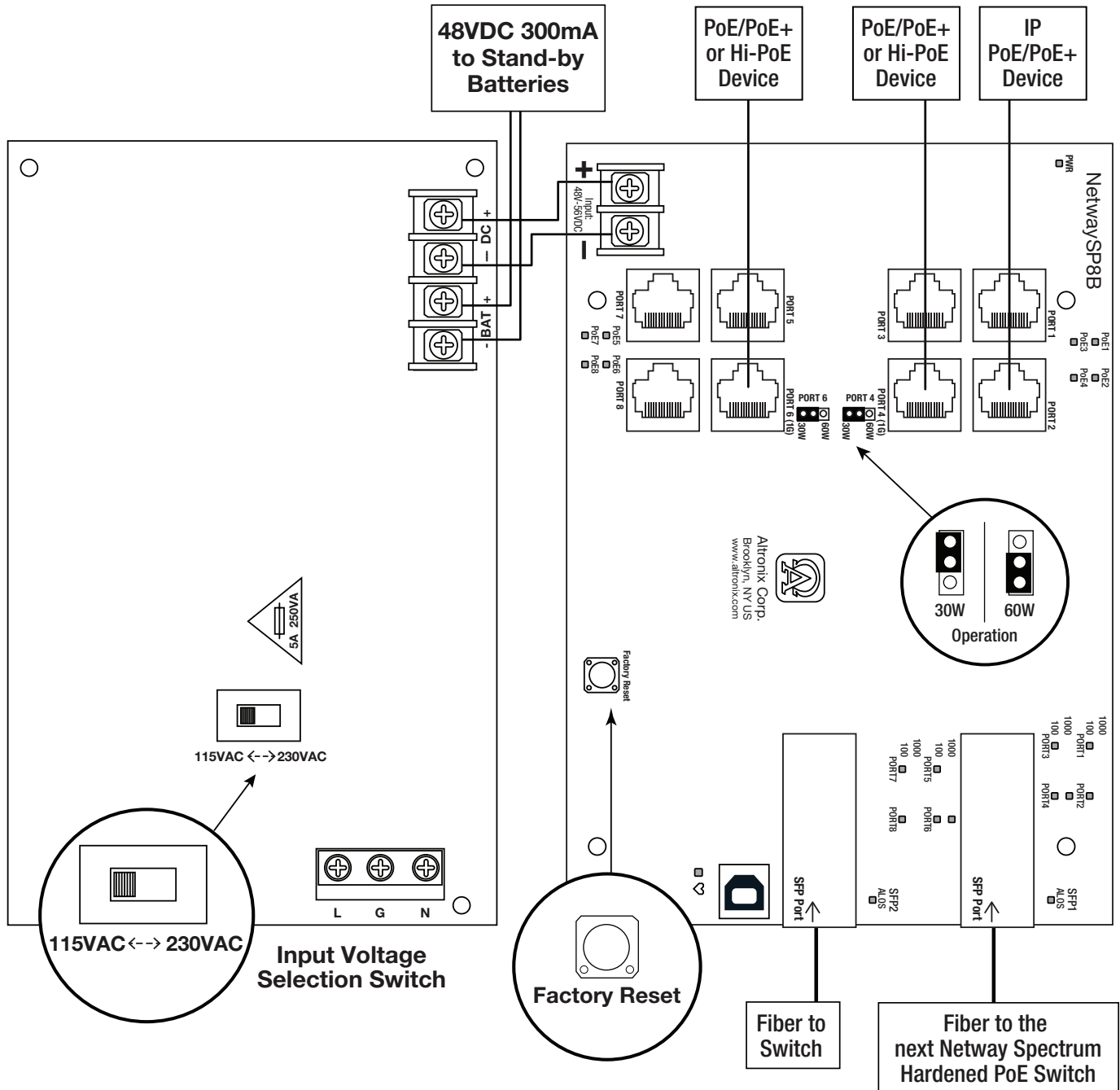
NetWaySP8PL

Key Features

- Two (2) Gigabit SFP ports

- 115W total power:

  - Eight (8) PoE/PoE+ (up to 30W) ports or two (2) Hi-PoE (60W) ports

- Two (2) 10/100/1000 Mbps ports

- Six (6) 10/100 Mbps ports

- IEEE 802.3at (30W), IEEE 802.3af (15W) compliant, or Hi-PoE (60W)

- PoE activity LED indicators

- VLAN (Virtual Local Area Networks) subnetwork allows for the grouping together of devices for improved network traffic and higher security

- UL Listed in the U.S. and Canada

- CE European Conformity

- Lifetime Warranty

Similar products

NetWaySP8WPX	Outdoor 8-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWaySP8WP	Outdoor 8-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure
NetWaySP8WPN	Outdoor 8-port PoE+ Hardened Switch only in NEMA 4/4X, IP66-11 enclosure
NetWaySP8X	Indoor 8-port PoE+ Hardened Switch in NEMA 1 Rated indoor enclosure
NetWaySP4B	8-port PoE+ Hardened Switch (board only)

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Typical Application

48VDC 300mA to Stand-by Batteries

PoE/PoE+ or Hi-PoE Device

PoE/PoE+ or Hi-PoE Device

IP PoE/PoE+ Device

NetwaySP8B

PWR

Input: 48V~56VDC

PORT 7   PoE5
PoE7
PoE6   PoE8
PORT 8

PORT 5

PORT 6
PORT 6 (1G)   30W 60W

PORT 3

PORT 4
PORT 4 (1G)   30W 60W

PoE1
PoE3   PoE2
PoE4

PORT 1

PORT 2

30W | 60W
Operation

Altronix Corp.
Brooklyn, NY US
www.altronix.com

5A 250VA

Factory Reset

115VAC ←→ 230VAC

1000
100   1000
100   PORT3
PORT7   1000   1000   100
100   PORT1
PORT5   PORT4   PORT2
PORT8   PORT6

SFP Port   SFP2
ALOS   SFP Port   SFP1
ALOS

115VAC ←→ 230VAC

Input Voltage Selection Switch

Factory Reset

Fiber to Switch

Fiber to the next Netway Spectrum Hardened PoE Switch

L G N

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Netway SPECTRUM

Specifications

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

Power Output
Maximum Power
Eight (8) PoE+ (30W) ports
or two (2) Hi-PoE (60W) ports
IEEE 802.3at (30W) and
IEEE 802.3af (15W) compliant
115W 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

Battery Charging
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous

Batteries are sold separately

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

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

Agency Listings
UL/cUL	UL60950-1 (Information Technology Equipment) UL60950-22 (Information Technology Equipment to be installed Outdoors)
CE	European Conformity

Physical and Environmental
Dimensions (H x W x D approx.):
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:
60W:	– 40ºC to 75ºC (– 40ºF to 167ºF)
75W:	– 40ºC to 70ºC (– 40ºF to 158ºF)
100W:	– 40ºC to 55ºC (– 40ºF to 131ºF)
120W:	– 40ºC to 45ºC (– 40ºF to 113ºF)
Storage:	– 40ºC to 85ºC (– 40ºF to 185ºF)
Relative Humidity:	85% +/– 5%
BTU/Hr. (approx.):	61 BTU/Hr.
Operating Altitude:	– 304.8 to 2,000m

Accessories (order separately)

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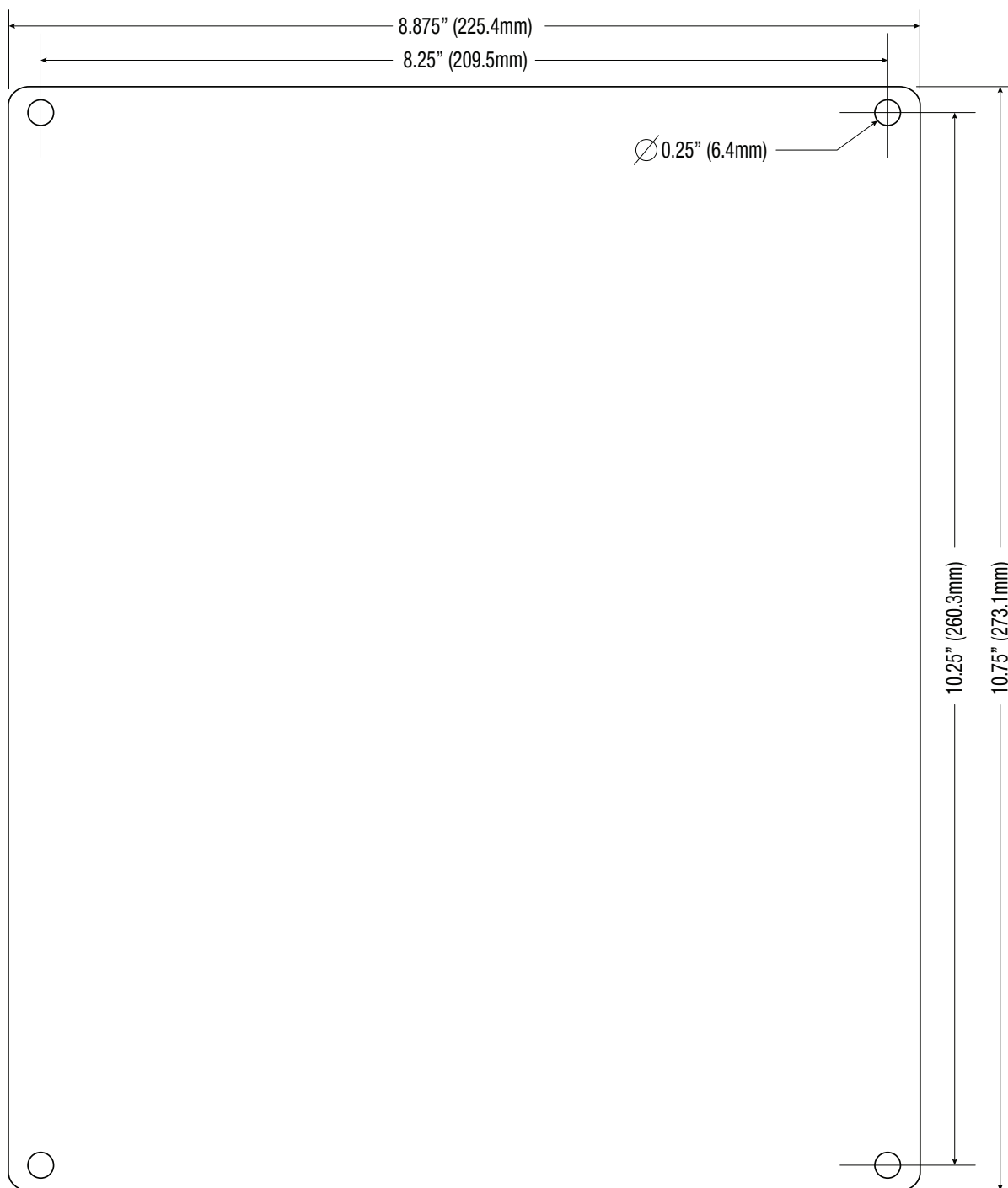|	
P1MM	Multi-Mode SFP Module for distances up to 550m
P1SM10	Single-Mode SFP Module for distances up to 10km
P1AB2K	Single Strand SFP Module for distances up to 2km
P1GCE	Copper SFP Module for distances up to 100m

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).

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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)

8.875" (225.4mm)

8.25" (209.5mm)

⌀ 0.25" (6.4mm)

10.25" (260.3mm)

10.75" (273.1mm)