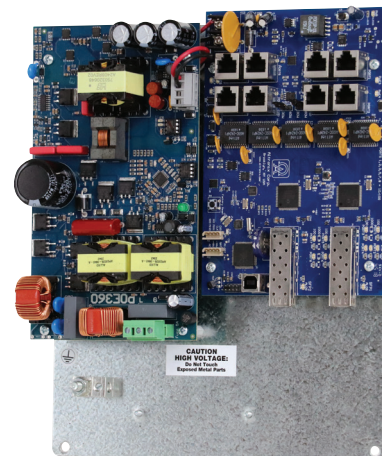# Altronix®

NetWaySP8PL3

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

Netway SPECTRUM

Altronix NetWaySP8PL3 supports up to 60W per port (360W 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) Hi-PoE (60W) Ethernet ports. NetWaySP8PL3 accommodates single/multi-mode fiber or composite cable (fiber+copper) to simultaneously deliver power and data from NetWay Spectrum head-end media converters/injectors. Embedded LINQ Technology allows to monitor, control, and report power and diagnostics from anywhere.
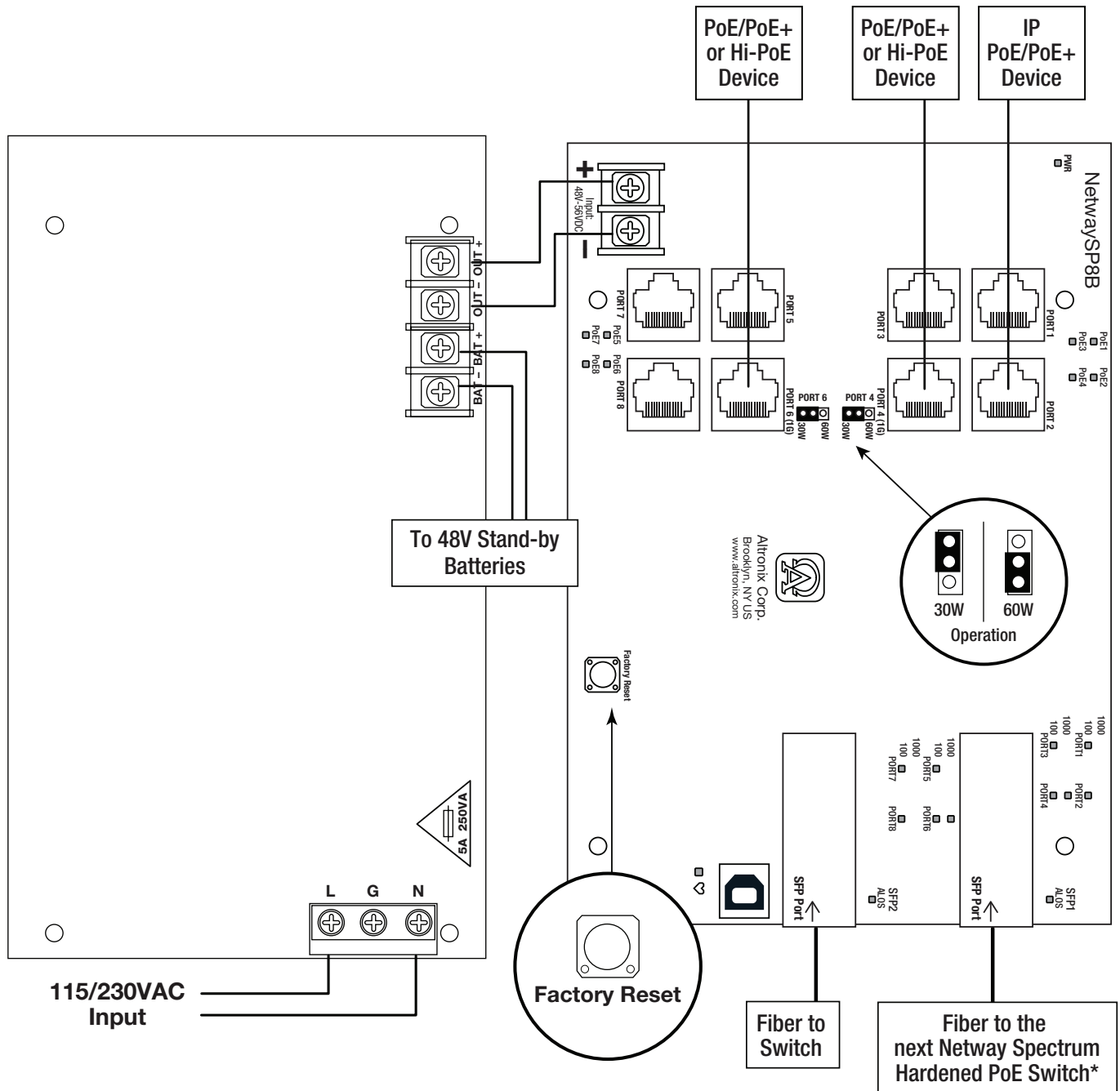

NetWaySP8PL3

Key Features

- Eight (8) PoE/PoE+ (up to 30W) ports or
  two (2) Hi-PoE (60W) ports (360W total power)

- IEEE 802.3af, 802.3at compliant or Hi-PoE (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 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

NetWaySP8WPX3	Outdoor 8-port Hardened PoE+ Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWaySP8WP3	Outdoor 8-port Hardened PoE+ Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure
NetWaySP8X3	8-port Hardened PoE+ Switch with Integral Power in NEMA 1 Rated indoor enclosure

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NetWaySP8PL3
8-port Hardened PoE+ Switch with Integral Power on a Backplane

Netway SPECTRUM

Typical Application

PoE/PoE+ or Hi-PoE Device

PoE/PoE+ or Hi-PoE Device

IP PoE/PoE+ Device

NetwaySP8B

Input 48V-56VDC

BAT – BAT + OUT – OUT +

To 48V Stand-by Batteries

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

PORT 7   PORT 5
PoE7   PoE5
PoE6   PoE8
PORT 8   PORT 6
PORT 6 (1G)   PORT 4 (1G)

30W   60W   60W   30W

PWR

PORT3   PORT1
PoE1   PoE3
PoE3   PoE2
PoE4   PoE4
PORT 4   PORT 2

30W   60W
Operation

5A 250VA

L   G   N

115/230VAC Input

Factory Reset

Factory Reset

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

SFP Port   SFP Port

SFP2   SFP1
ALOS   ALOS

Fiber to Switch

Fiber to the next Netway Spectrum Hardened PoE Switch*

Altronix®

NetWaySP8PL3
8-port Hardened PoE+ Switch with Integral Power on a Backplane

Netway SPECTRUM

Specifications

Input
Voltage	115VAC, 60Hz, 3.5A or 230VAC, 50/60Hz, 2A
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
360W total power. Integral surge protection

SFP Ports:
Two (2) Gigabit SFP ports

Ethernet Ports:
Six (6) 100 Mbps full duplex only
(ports 1, 2, 3, 5, 7 and 8) and
two (2) 10/100/1000 Mbps ports
Connectivity: RJ45, auto-crossover
Wire type: 4-pair CAT5e or higher
structured cable
Speed: 10/100/1000 Mbps
half/full duplex, auto negotiation

Battery Charging
Type	48VDC charging circuit charges sealed lead acid or gel type batteries (require separate ventilated enclosure)
Failover	Upon AC loss, instantaneous

Batteries are sold separately

Indicators (LED)
Individual **PoE On** LEDs for each port
Individual **IP Link status, 10/100/1000 Base-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
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
360W:	– 30ºC to 70ºC (– 22ºF to 158ºF)
240W:	– 30ºC to 75ºC (– 22ºF to 167ºF)
Storage	– 30ºC to 85ºC (– 22ºF to 185ºF)
Relative Humidity	85% +/– 5%
BTU/Hr (approx.)	183 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).
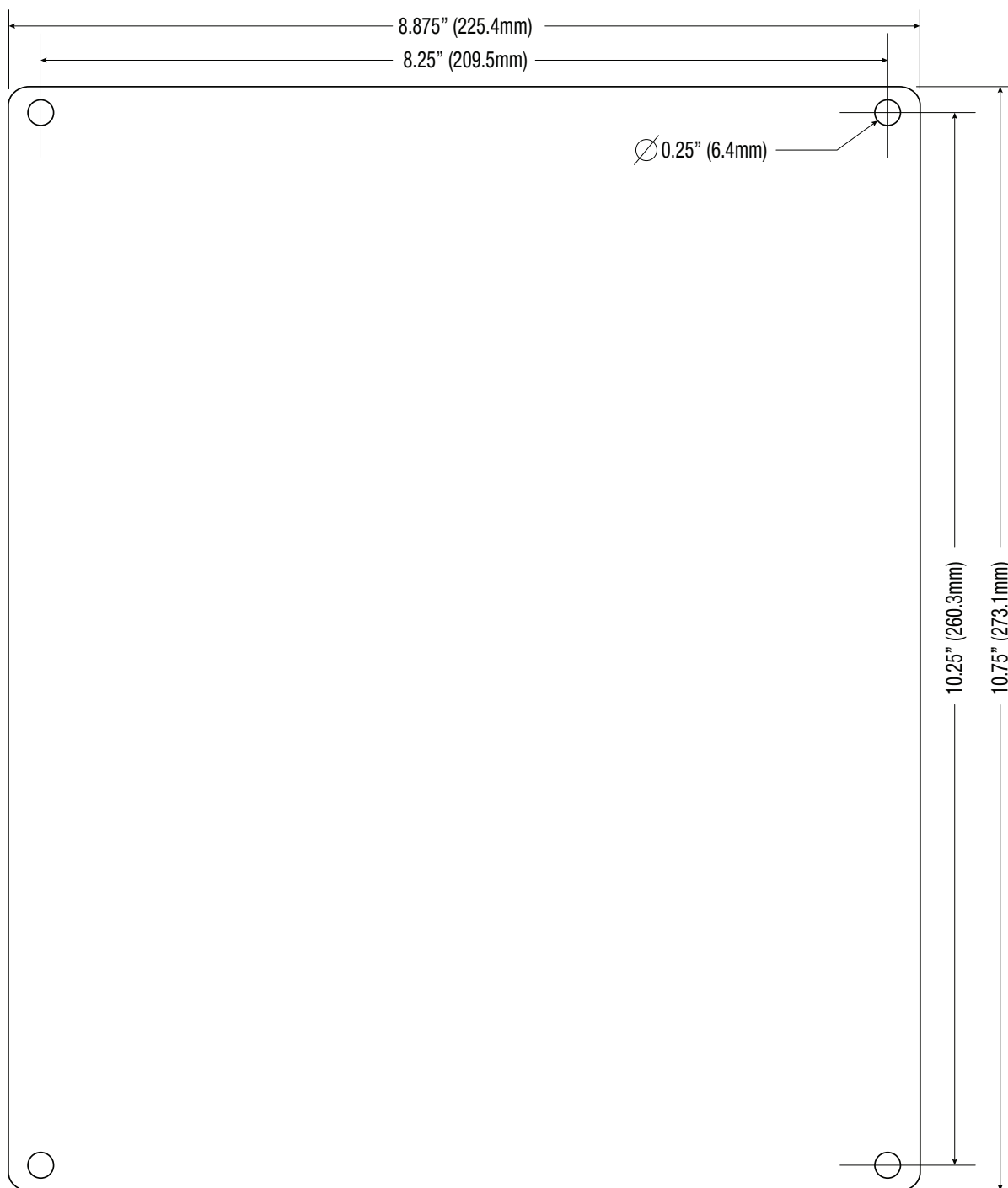
Dimensions and Drawing

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)