Altronix®

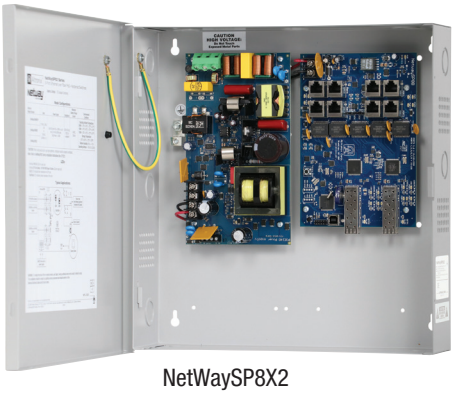
Rev. 05122025

# NetWaySP8X2

## 8-port Hardened Indoor PoE+ Switch with Integral Power

Netway SPECTRUM

Altronix NetWaySP8X2 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. NetWaySP8X2 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.



NetWaySP8X2

## 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
- NEMA 1 Rated enclosure for indoor use
- 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 |
| **NetWaySP8PL2** | 8-port Hardened PoE+ Switch with Integral Power on a Backplane |



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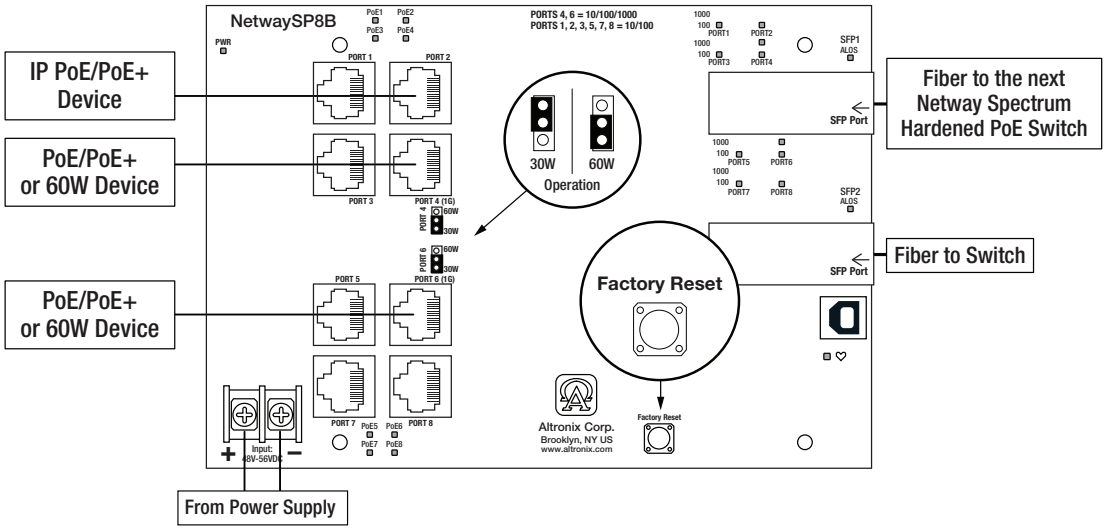
## Typical Application




## 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).

# NetWaySP8X2

8-port Hardened Indoor PoE+ Switch with Integral Power

## Specifications

### 8-port PoE+ Hardened Switch (NetWaySP8B):

**Input**

| | |
|---|---|
| Voltage | 56VDC from POE240 |

**Power Output**

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

**Battery Charging**

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

### NetWaySP8X2:

**Agency Listings**

| | |
|---|---|
| CE | European Conformity |

**Physical and Environmental**

| | |
|---|---|
| Dimensions (H x W x D) | |
| Enclosure: | 13.5" x 13" x 3.25"<br>(342.9mm x 330.2mm x 82.6mm) |
| Shipping: | 15" x 13.875" x 4.75"<br>(381mm x 352.4mm x 120.6mm) |
| Weight (approx.) | |
| Product: | 6.85 lb. (3.11 kg) |
| Shipping: | 7.75 lb. (3.51 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: | – 40ºC to 85ºC (– 40ºF to 185ºF) |
| Relative Humidity | 85% +/– 5% |
| BTU/Hr (approx.) | 122 BTU/Hr. |
| Operating Altitude: | – 304.8 to 2,000m |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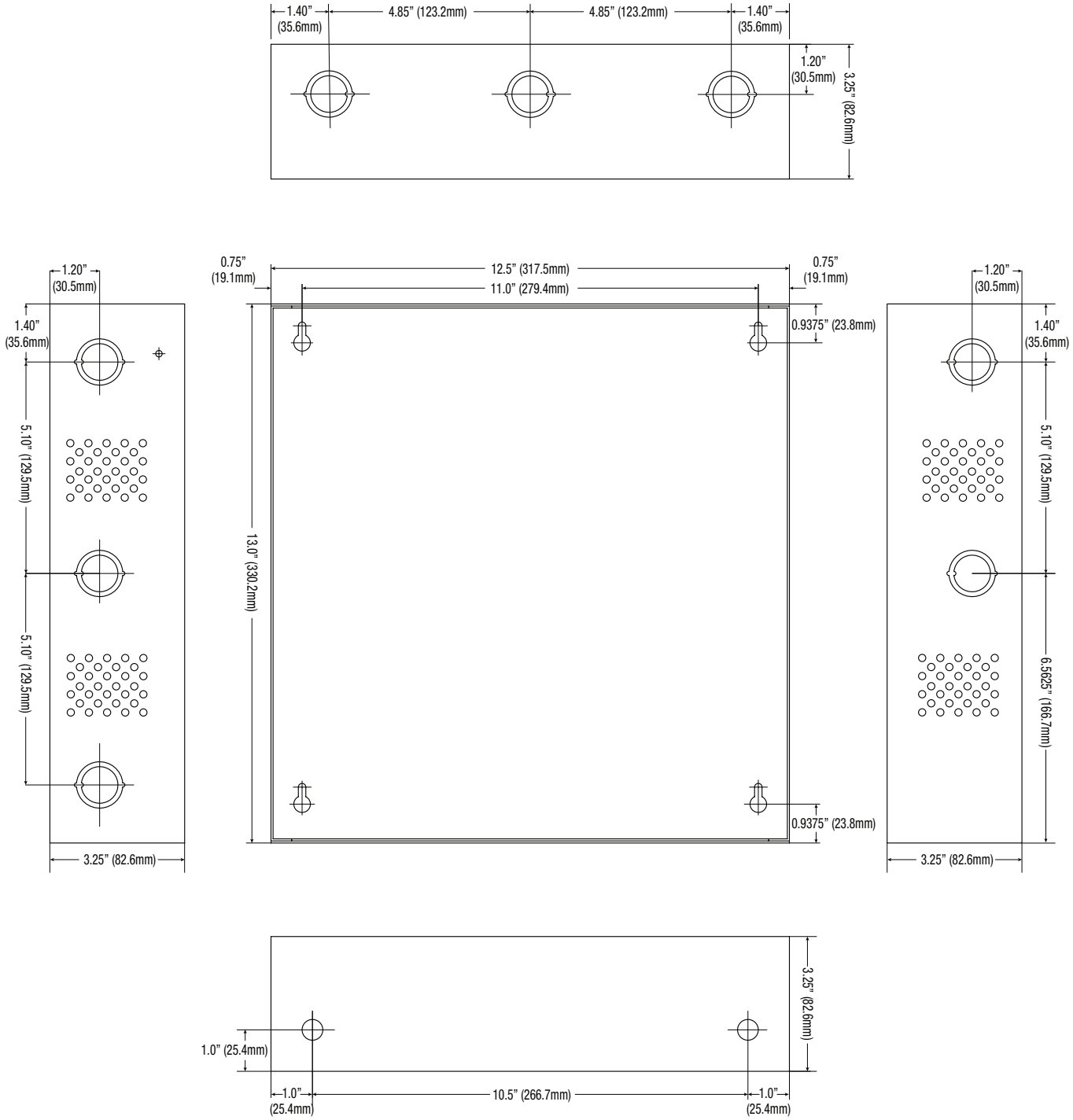
## Dimensions and Drawing

Dimensions (H x W x D approximate)

13.5” x 13” x 3.25” (342.9mm x 330.2mm x 82.55mm)