

## 4-port Outdoor Hardened Layer 2 (802.3bt) PoE Switch with Integral Power



Altronix NetWaySP4BTWPX Outdoor Hardened Layer 2 (802.3bt) PoE Switch provides up to 180W distributed over four (4) PoE ports for high powered IP devices such as cameras and illuminators. This unit is equipped with two (2) 1Gb SFP (Fiber) ports for fiber connectivity to head end or additional PoE switch. 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.



### Key Features

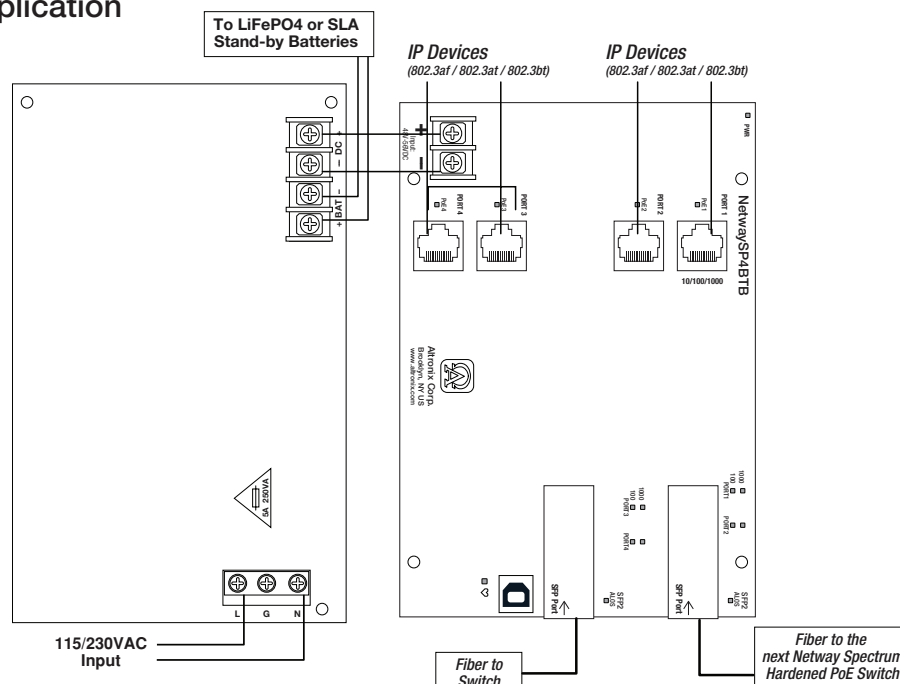
- Two (2) Gigabit SFP ports.
- Four (4) 10/100/1000 Mbps ports.
- 180W total power (90W max per port)
- IEEE 802.3af (15W), IEEE 802.3at (30W), and IEEE 802.3bt (90W) compliant.
- PoE activity LED indicators.
- VLAN (Virtual Local Area Networks) subnetwork allows for the grouping together of devices for improved network traffic and higher security.
- Built-in charger for LiFePO4 (lithium iron phosphate), sealed lead acid or gel-type batteries

- NEMA 4/4X, IP66-11 Rated enclosure for outdoor use.
- CE Approved.
- Lifetime Warranty / Made in the U.S.A.

### Similar products:

- NetWaySP4BTWP - Outdoor 4-port Hardened 4PPoE Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure
- NetWaySP4BTWPN - Outdoor 4-port Hardened 4PPoE Switch in NEMA 4/4X, IP66-11 enclosure.
- NetWaySP4BTX - Indoor 4-port Hardened 4PPoE Switch.
- NetWaySP4BTPL - 4-port Hardened 4PPoE Switch on Backplane.
- NetWaySP4BTB - 4-port Hardened 4PPoE Switch (board only)

### Typical Application



Lifetime Warranty / Made in the U.S.A.

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

## NetWaySP4BTWPX

4-port Outdoor Hardened Layer 2 (802.3bt) PoE Switch with Integral Power

### Specifications

#### Input

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

#### Power Output

Maximum Power Four (4) PoE ports rated at 90W each, 180W total power.  
IEEE 802.3af (15W), IEEE 802.3at (30W), IEEE 802.3bt (90W) compliant.  
Integral surge protection.

#### Fiber Ports:

Two (2) Gigabit SFP ports.

#### Ethernet Ports:

Four (4) 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.

#### Back-up Battery

Type LiFePO<sub>4</sub>, sealed lead acid or gel type batteries.  
Failover Upon AC loss, instantaneous.

#### 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

##### Enclosure Dimensions (H x W x D approx.):

17.53" x 15.3" x 6.67" (445.3mm x 388.6mm x 169.4mm).  
NEMA 4/4X, IP66-11 Rated enclosure for outdoor use.  
Accommodates four (4) 12VDC/4AH batteries (48V of backup).

##### Product Weight / Shipping (approx.)

Product Weight: 15 lb. (6.8 kg).  
Shipping Weight: 17.5 lb. (7.9 kg).

##### Temperature

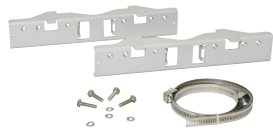
Operating (180W): -30°C to 65°C (-22°F to 149°F).  
Operating (150W): -30°C to 75°C (-22°F to 167°F).  
Storage -30°C to 85°C (-22°F to 185°F).

Relative Humidity 85% +/-5%.

BTU/Hr (approx.): 61 BTU/Hr.

Operating Altitude: -304.8 to 2,000m.

### Accessories



#### PMK1 - Pole Mount Kit

(order separately)  
PMK1 pole mount kit is designed to simplify installation of outdoor units.  
It accommodates 2" - 8" (diameter) poles.



#### 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).



#### P1MM and P1SM10 - SFP Modules

P1MM and P1SM10 are hot-pluggable SFP fiber transceiver modules and are readily usable with all Altronix Spectrum fiber optic equipment for 1G transmission rates.

The P1MM is to be used with Multi-Mode Fiber for distances up to 550m.

The P1SM10 is to be used with Single-Mode Fiber for distances up to 10km.



#### P1AB2K - SFP Single-Mode Transceiver Kit

P1A2K and P1B2K are hot-pluggable bi-directional single strand SFP fiber transceiver modules and are readily usable with all Altronix NetWay Spectrum fiber optic equipment for 1G transmission rates at distances up to 2km.



#### P1GCE - SFP Copper Transceiver

P1GCE is a hot-pluggable SFP transceiver module and is readily usable with all Altronix NetWay Spectrum equipment for 1G transmission rates. The P1GCE is to be used with CAT5e or better copper ethernet for distances up to 100m.

**Lifetime Warranty / Made in the U.S.A.**

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