Altronix®

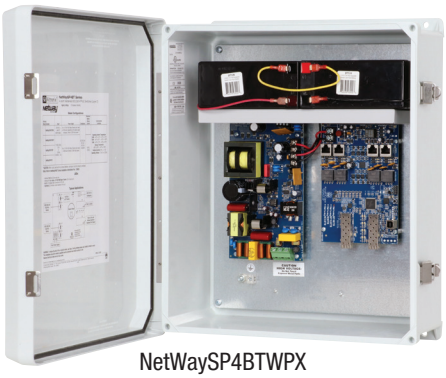
Rev. 10312025

NetWaySP4BTWPX

4-port Outdoor Hardened 4PPoE (802.3bt) Switch with Integral Power

Altronix NetWaySP4BTWPX supports up to 90W 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 four (4) 802.3bt compliant Ethernet ports. NetWaySP4BTWP 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.

For unmanaged switch see model NetWaySP41BTWPX.



NetWaySP4BTWPX

Key Features

- Four (4) 10/100/1000 Mbps Ethernet ports rated at 90W each (limited to 240W total power)
- IEEE 802.3af, 802.3at, 802.3bt compliant
- 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
- 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
- CE European Conformity
- NEMA 4/4X, IP66-11 enclosure accommodates batteries

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 in NEMA 1 Rated indoor enclosure
NetWaySP4BTPL	4-port Hardened 4PPoE Switch with Integral Power on a Backplane
NetWaySP4BTB	4-port Hardened 4PPoE Switch (board only)

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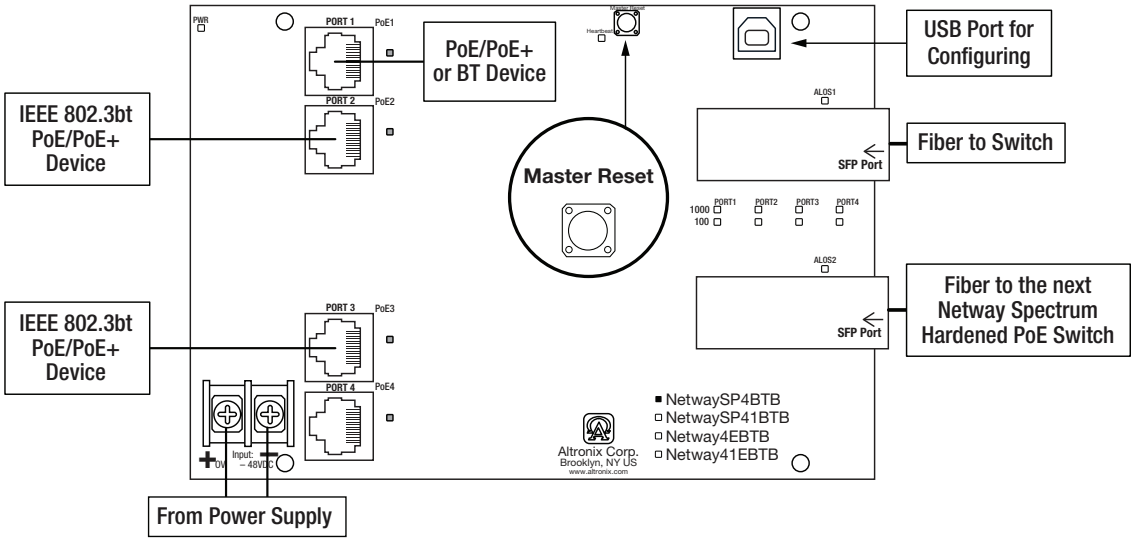
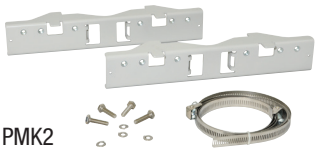
NetWaySP4BTWPX

4-port Outdoor Hardened 4PPoE (802.3bt) Switch with Integral Power

Typical Application



Accessories (order separately)



PMK2

PMK2 - Pole Mount Kit

PMK2 pole mount kit is designed to simplify installation of outdoor units. It accommodates 2"- 8"(diameter) poles.

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

NetWaySP1A

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

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

Vent2

Vent2 - Air Vents For NEMA4/4X Rated Enclosures

Altronix Vent2 air vents ensure efficient air circulation and prevent water condensation in NEMA4/4X Rated Enclosures. Pair of air vents must be mounted per enclosure.

Lock1WP

LOCK1WP - Pad Lock for Altronix Outdoor Enclosures

Altronix Lock1WP is a pad lock to secure the latches on Altronix outdoor enclosures. Includes a single pad lock and two (2) keys.

WG1

WG1 - NEMA Rated Wire Gland Inlet

Altronix WG1 facilitates wiring for all Altronix outdoor enclosures.

Lifetime Warranty

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NetWaySP4BTWPX

4-port Outdoor Hardened 4PPoE (802.3bt) Switch with Integral Power

Specifications

4-port PoE+ Hardened Switch (NetWaySP4BTB):

Input

Voltage	56VDC from POE240

Power Output

Maximum Power	Four (4) PoE ports rated at 90W each, 240W total power max. IEEE 802.3af (15W), IEEE 802.3at (30W), IEE 802.3bt (90W) compliant Integral surge protection
SFP Ports:	Two (2) Gigabit SFP ports
Ethernet Ports:	Four (4) 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

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

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

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

NetWaySP4BTWPX:

Agency Listings

CE	European Conformity

Physical and Environmental

Dimensions (H x W x D)

Enclosure:	17.53" x 15.3" x 6.67" (445.3mm x 388.6mm x 169.4mm)
Shipping:	21.375" x 14.5" x 9.5" (542.9mm x 374.7mm x 241.3mm)

NEMA 4/4X, IP66-11 Rated enclosure for outdoor use
Accommodates four (4) 12VDC/4AH batteries (48V of backup)
For outdoor battery backup, battery enclosure must have sufficient ventilation. Use Altronix Vent2 kit

Weight (approx.)

Product:	15 lb. (6.8 kg)
Shipping:	17.5 lb. (7.9 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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NetWaySP4BTWPX

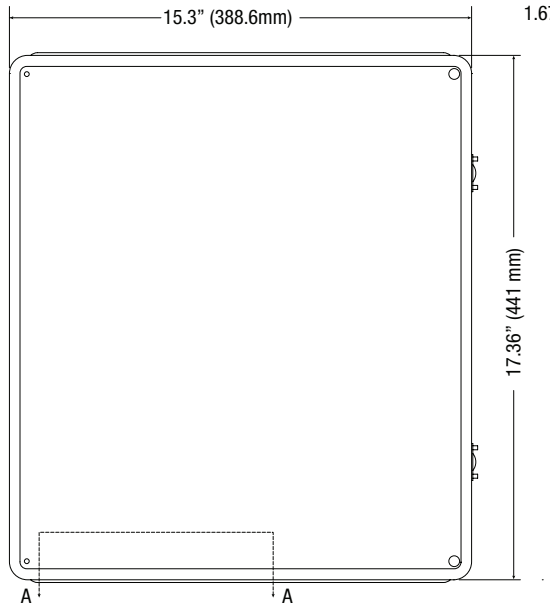
4-port Outdoor Hardened 4PPoE (802.3bt) Switch with Integral Power

Dimensions and Drawing

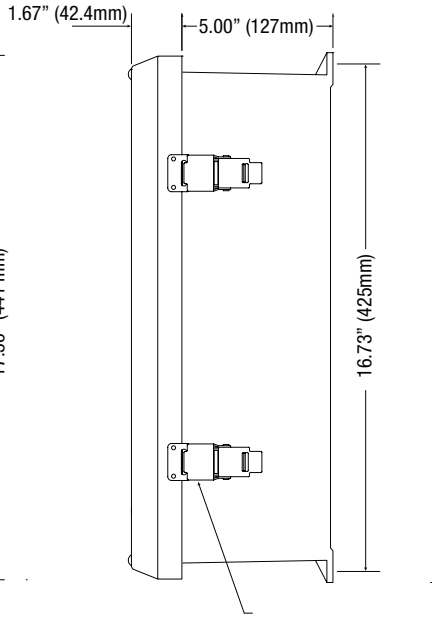
Dimensions (H x W x D approximate)

17.53” x 15.3” x 6.67” (445.3mm x 388.6mm x 169.4mm)

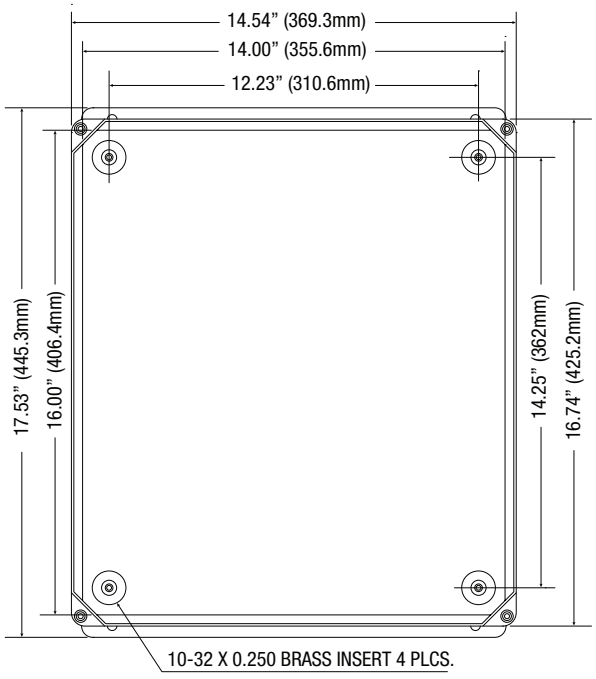
FRONT VIEW



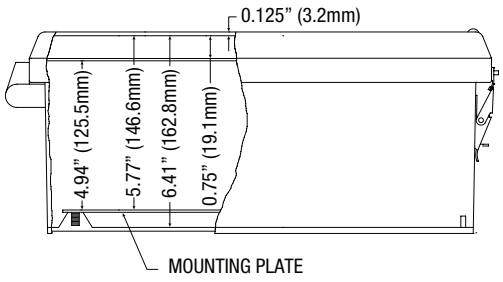
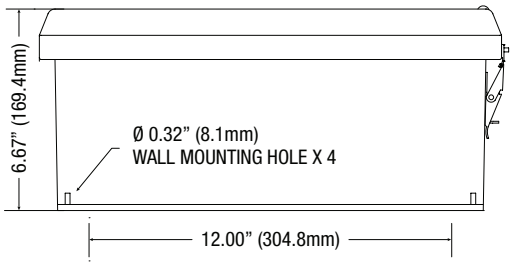
RIGHT SIDE VIEW



FRONT VIEW COVER REMOVED



SECTION A-A



END VIEW