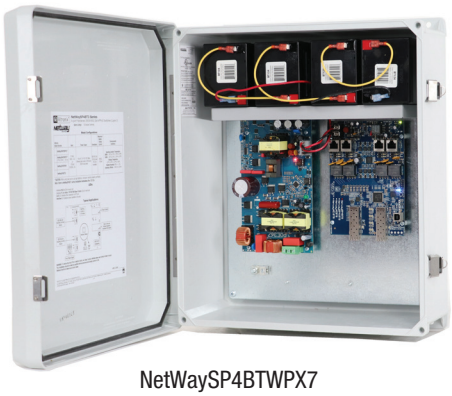
Altronix®

Rev. 12032024

NetWaySP4BTWPX7

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

Altronix NetWaySP4BTWPX7 supports up to 90W 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 four (4) 802.3bt compliant Ethernet ports. NetWaySP4BTWPX7 accommodates single/multi-mode fiber or composite cable (fiber+copper) to simultaneously deliver power and data from NetWay Spectrum head-end media converters/injectors. It is specifically designed to work with 277VAC input Embedded LINQ Technology allows to monitor, control, and report power and diagnostics from anywhere.



NetWaySP4BTWPX7

Key Features

- 277VAC, 50/60Hz, 1.75A Input
- Four (4) 10/100/1000 Mbps Ethernet ports rated at 90W each (limited to 360W 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 sealed lead acid or gel type batteries
- CE European Conformity
- NEMA 4/4X, IP66-11 enclosure accommodates 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

Accessories (included)

Vent2

Vent2 - Air Vents For NEMA4/4X Rated Enclosures

Two (2) Fiberglass, smooth matte finish vents included with hardware and template

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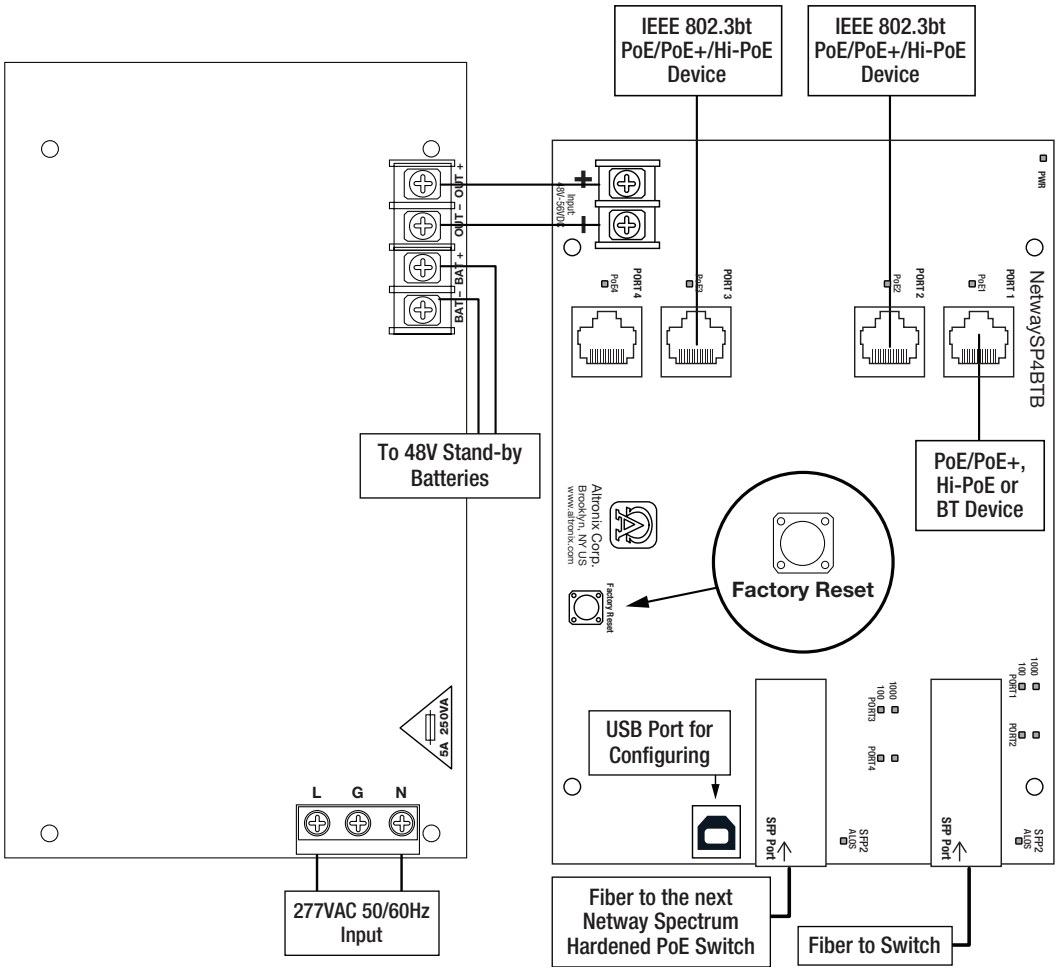
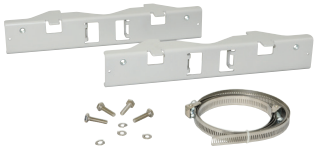
NetWaySP4BTWPX7

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

Typical Application



Accessories (order separately)



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 - 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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NetWaySP4BTWPX7

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

Specifications

Input

Voltage	277VAC, 50/60Hz, 1.75A
Input Fuse	5A/250V

Power Output

Maximum Power	Four (4) PoE ports rated at 90W each, 360W total power 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

Battery Charging

Type	48VDC charging circuit charges sealed lead acid or gel type batteries (within enclosure, **ventilation is required**) Vent2 Ventilation Kit is included
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 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

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)

Weight (approx.)

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

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NetWaySP4BTWPX7

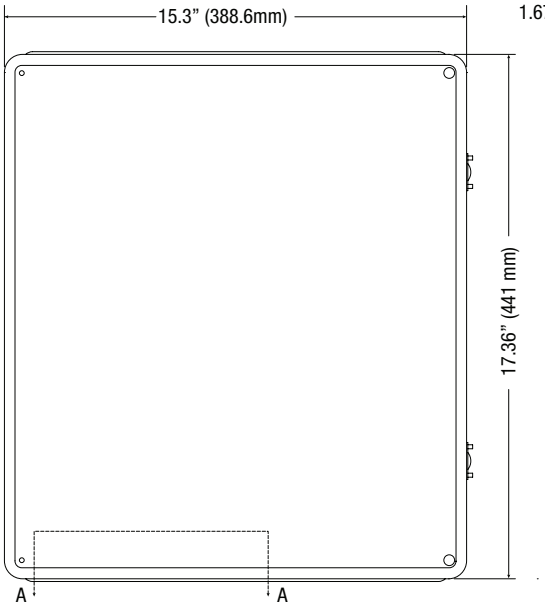
4-port Outdoor Hardened 4PPoE (802.3bt) Switch with Integral Power

Dimensions and Drawing

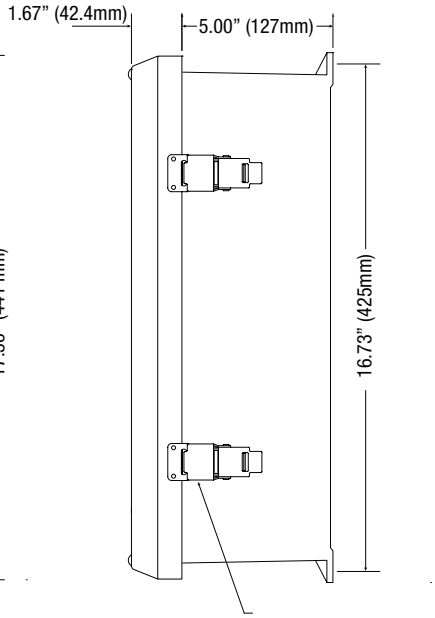
Dimensions (H x W x D approximate)

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

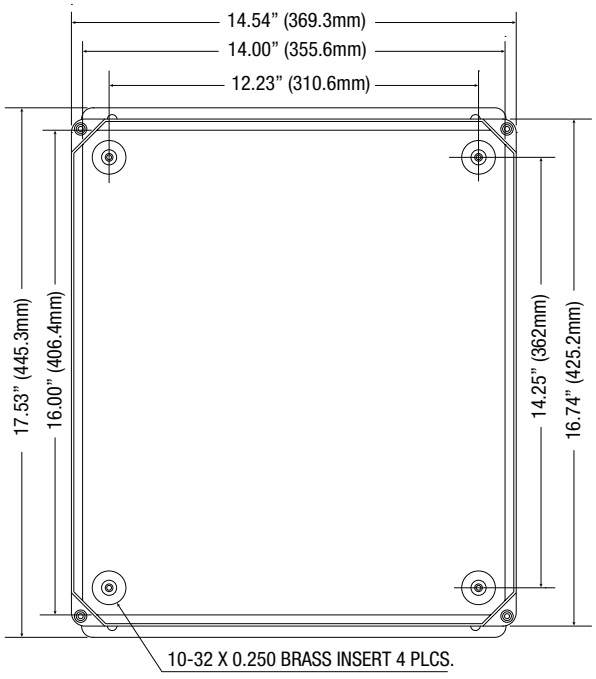
FRONT VIEW



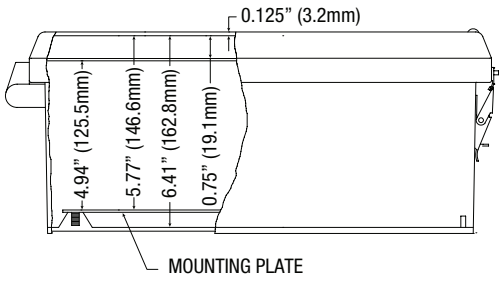
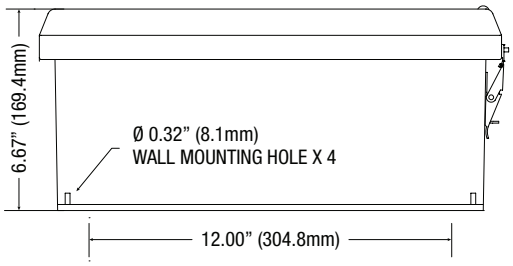
RIGHT SIDE VIEW



FRONT VIEW COVER REMOVED



SECTION A-A



END VIEW