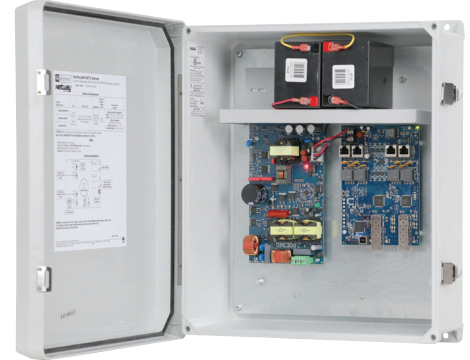# Altronix®

NetWaySP4BTWPX3

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

Netway® SPECTRUM

Altronix NetWaySP4BTWPX3 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. NetWaySP4BTWPX3 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.

For unmanaged switch see model NetWaySP41BTWPX3

NetWaySP4BTWPX3

Key Features

- 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

Similar products

NetWaySP4BTWP3	Outdoor 4-port Hardened 4PPoE Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure
NetWaySP4BTX3	Indoor 4-port Hardened 4PPoE Switch in NEMA 1 Rated indoor enclosure
NetWaySP4BTPL3	4-port Hardened 4PPoE Switch with Integral Power on a Backplane

Accessories (included)

Vent2

Vent2 - Air Vents For NEMA4/4X Rated Enclosures
Two (2) Fiberglass, smooth matte finish vents included with hardware and template
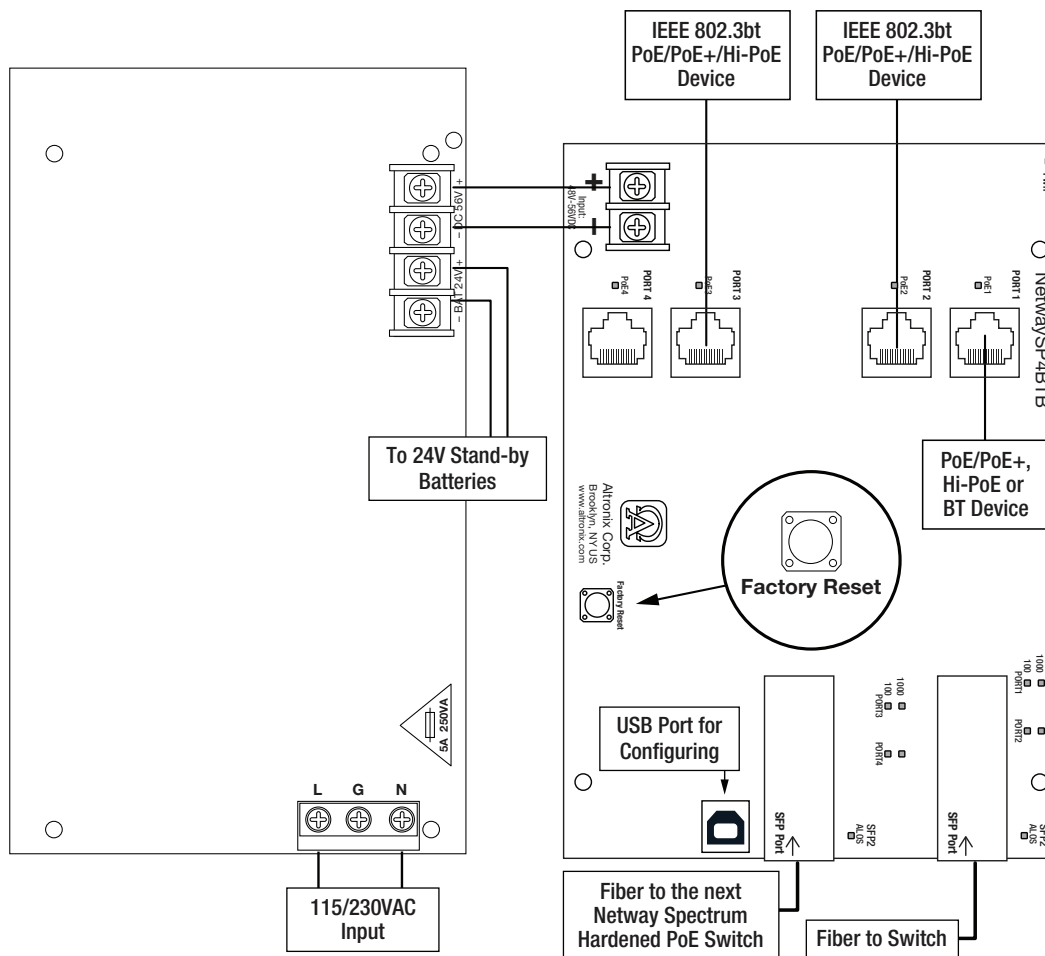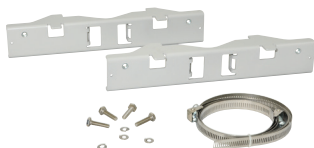
NetWaySP4BTWPX3
4-port Outdoor Hardened 4PPoE (802.3bt) Switch with Integral Power

Netway SPECTRUM

Typical Application

IEEE 802.3bt PoE/PoE+/Hi-PoE Device

IEEE 802.3bt PoE/PoE+/Hi-PoE Device

To 24V Stand-by Batteries

PoE/PoE+, Hi-PoE or BT Device

Factory Reset

USB Port for Configuring

115/230VAC Input

Fiber to the next Netway Spectrum Hardened PoE Switch

Fiber to Switch

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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NetWaySP4BTWPX3
4-port Outdoor Hardened 4PPoE (802.3bt) Switch with Integral Power

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Specifications

Input

Voltage	115VAC, 60Hz, 3.5A or 230VAC, 50/60Hz, 2A
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	24VDC 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

Operating (360W):	– 30ºC to 65ºC (– 22ºF to 149ºF)
Operating (240W):	– 30ºC to 70ºC (– 22ºF to 158ºF)
Storage	– 30ºC to 85ºC (– 22ºF to 185ºF)

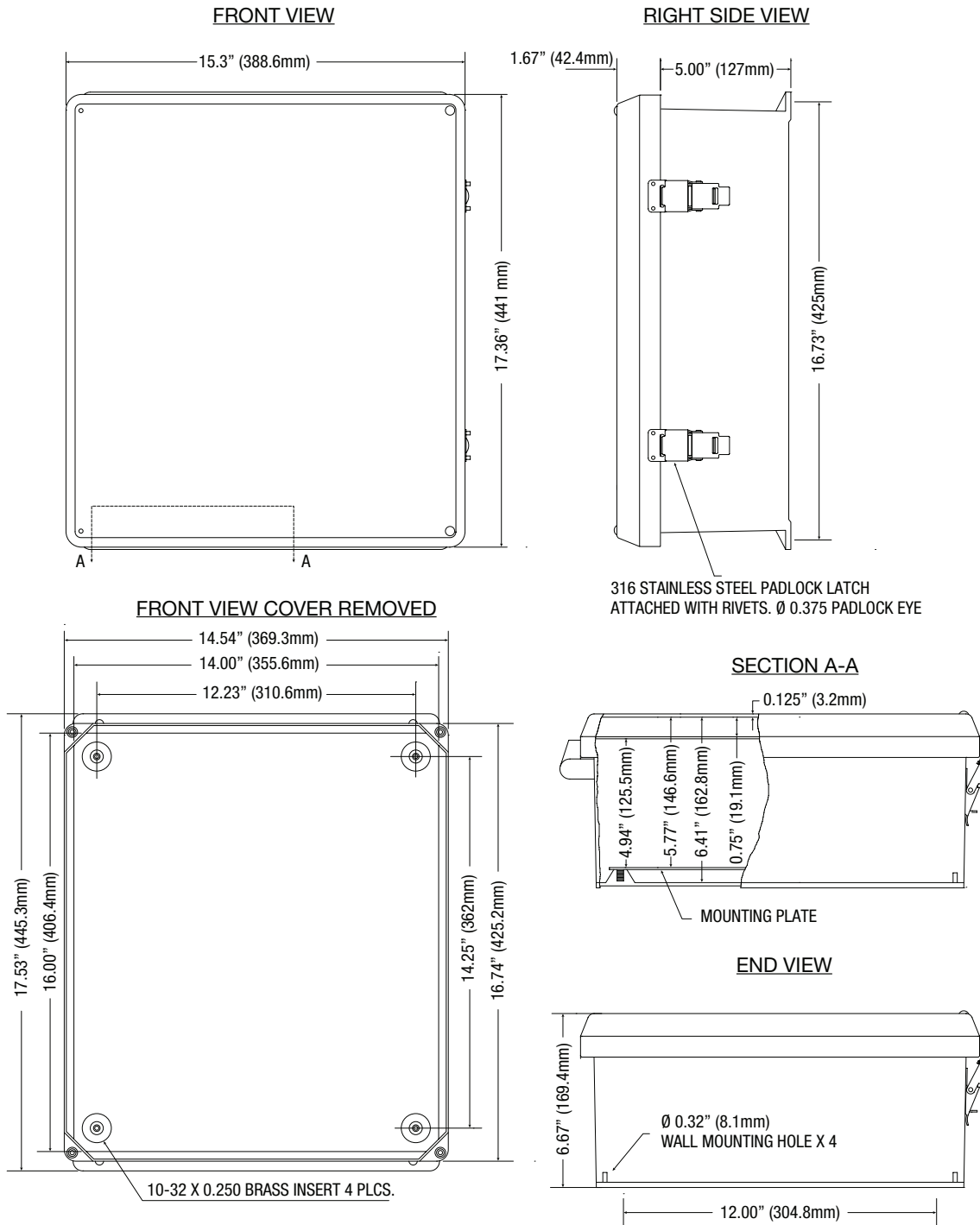**Relative Humidity** 85% +/– 5%
BTU/Hr (approx.) 183 BTU/Hr.
Operating Altitude: – 304.8 to 2,000m

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NetWaySP4BTWPX3
4-port Outdoor Hardened 4PPoE (802.3bt) Switch with Integral Power

Netway SPECTRUM

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

15.3" (388.6mm)

1.67" (42.4mm)

17.36" (441 mm)

A   A

RIGHT SIDE VIEW

5.00" (127mm)

16.73" (425mm)

316 STAINLESS STEEL PADLOCK LATCH
ATTACHED WITH RIVETS. Ø 0.375 PADLOCK EYE

FRONT VIEW COVER REMOVED

14.54" (369.3mm)
14.00" (355.6mm)
12.23" (310.6mm)

17.53" (445.3mm)
16.00" (406.4mm)

14.25" (362mm)
16.74" (425.2mm)

10-32 X 0.250 BRASS INSERT 4 PLCS.

SECTION A-A

0.125" (3.2mm)

4.94" (125.5mm)
5.77" (146.6mm)
6.41" (162.8mm)
0.75" (19.1mm)

MOUNTING PLATE

END VIEW

6.67" (169.4mm)

Ø 0.32" (8.1mm)
WALL MOUNTING HOLE X 4

12.00" (304.8mm)