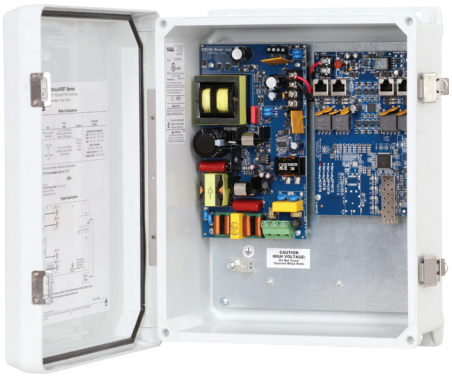
Altronix®

Rev. 09152025

NetWay4E1BTWP

4-port Outdoor Hardened 802.3bt 4PPoE Switch

Altronix NetWay4E1BTWP supports up to 90W per port (240W total power) for deploying the latest high-powered IP devices in remote locations. It is equipped with one (1) 1Gb SFP port to transmit data at long distances and four (4) 802.3bt compliant Ethernet ports. NetWaySP4BTWP accommodates single/multi-mode fiber to deliver data from NetWay Spectrum head-end media converters/injectors.



NetWay4E1BTWP

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
- One (1) Gigabit SFP port
- Built-in charger for $LiFePO_4$ (Lithium Iron Phosphate) or sealed lead acid or gel type batteries
- CE European Conformity
- NEMA 4/4X, IP66-11 enclosure

Similar products

NetWay4E1BTWPX	Outdoor 4-port Hardened 4PPoE Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWay4E1BTWPN	Outdoor 4-port Hardened 4PPoE Switch in NEMA 4/4X, IP66-11 enclosure
NetWay4E1BTX	4-port Hardened 4PPoE Switch with Integral Power in NEMA 1 Rated indoor enclosure
NetWay4E1BTPL	4-port Hardened 4PPoE Switch on a Backplane
NetWay4E1BTB	4-port Hardened 4PPoE Switch (board only)

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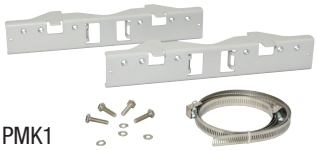
NetWay4E1BTWP

4-port Outdoor Hardened 802.3bt 4PPoE Switch

Accessories (order separately)



PMK1

PMK1 - Pole Mount Kit

PMK1 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).

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.

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.

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NetWay4E1BTWP

4-port Outdoor Hardened 802.3bt 4PPoE Switch

Specifications

Input

Voltage	115VAC, 60Hz, 1.8A or 230VAC, 50/60Hz, 1A
Input Fuse	5A/250V

Power Output

Maximum Power	Four (4) PoE ports rated at 90W each, 240W total power IEEE 802.3af (15W), IEEE 802.3at (30W), IEE 802.3bt (90W) compliant Integral surge protection
SFP Ports:	One (1) Gigabit SFP port.
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 $LiFePO_4$ (Lithium Iron Phosphate) or sealed lead acid or gel type batteries (require separate ventilated enclosure)
Failover	Upon AC loss, instantaneous

Batteries are sold separately. Separate ventilated enclosure is required

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

Agency Listings

CE	European Conformity

Physical and Environmental

Dimensions (H x W x D)
Enclosure: 13.31" x 11.31" x 5.59" (338.1mm x 287.3mm x 142mm)
Shipping: 20.25" x 12.5" x 7.25" (514.4mm x 317.5mm x 184.2mm)
NEMA 4/4X, IP66-11 Rated enclosure for outdoor use

Weight (approx.)

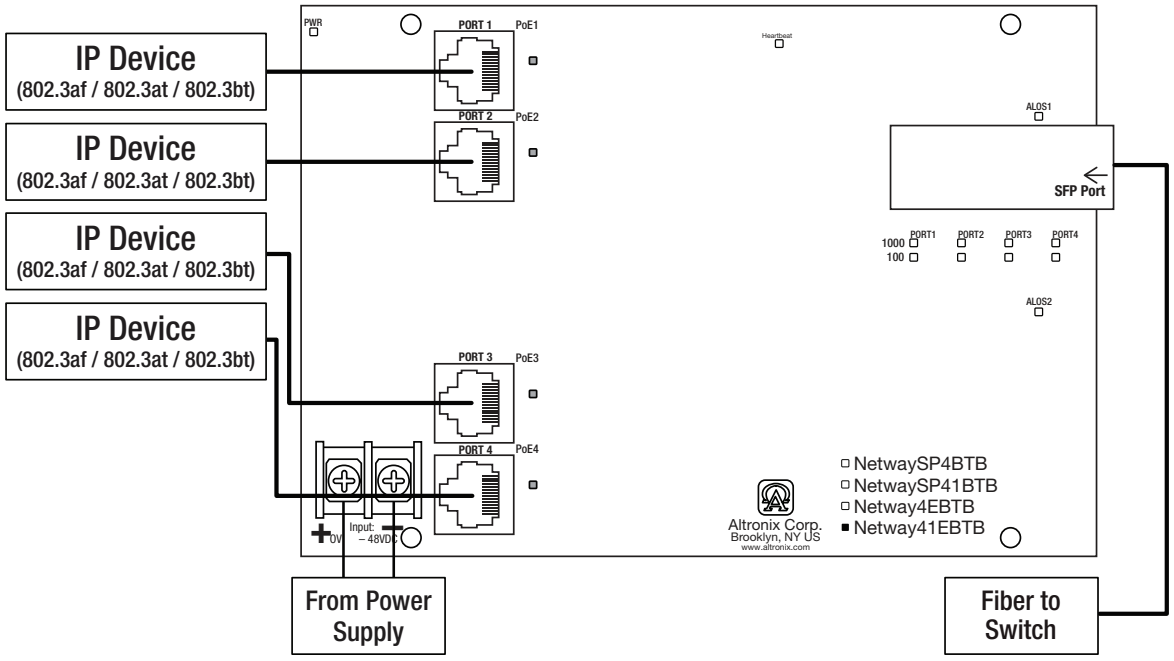
Product:	10.32 lb. (4.68 kg)
Shipping:	11.7 lb. (5.3 kg)

Temperature

Operating (240W):	– 30ºC to 55ºC (– 22ºF to 131ºF)
Operating (180W):	– 30ºC to 65ºC (– 22ºF to 149ºF)
Operating (150W):	– 30ºC to 75ºC (– 22ºF to 167ºF)
Storage	– 30ºC to 85ºC (– 22ºF to 185ºF)

Relative Humidity 85% +/– 5%
BTU/Hr (approx.) 61 BTU/Hr.
Operating Altitude: – 304.8 to 2,000m

Typical Application



Lifetime Warranty

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NetWay4E1BTWP

4-port Outdoor Hardened 802.3bt 4PPoE Switch

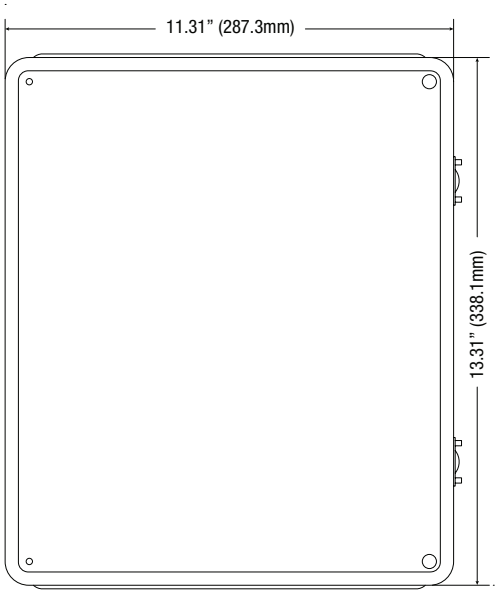
NetWay SPECTRUM

Dimensions and Drawing

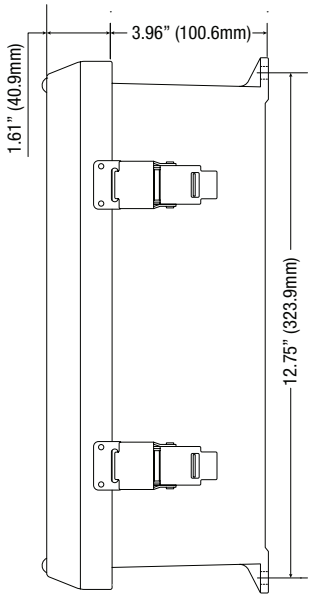
Dimensions (H x W x D approximate)

13.31" x 11.31" x 5.59" (338.1mm x 287.3mm x 142mm)

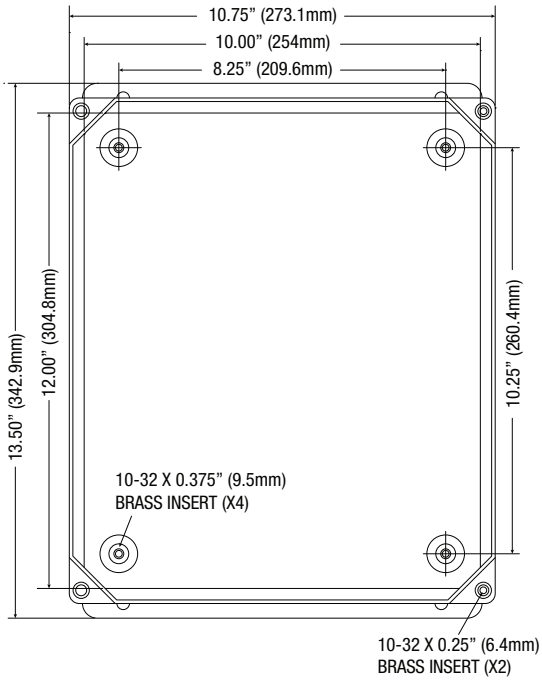
FRONT VIEW



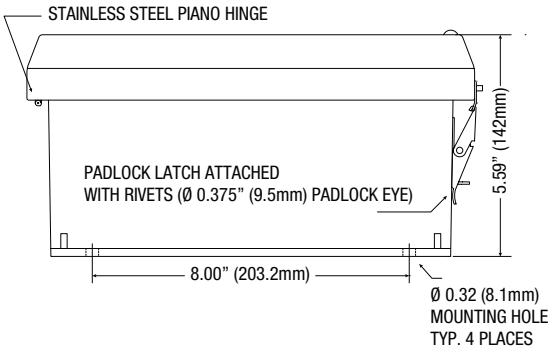
RIGHT SIDE VIEW



FRONT VIEW COVER REMOVED



END VIEW



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