# NetWay4EBTWP
## 4-port Outdoor Hardened 802.3bt 4PPoE Switch

Altronix NetWay4EBTWP 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. NetWay4EBTWP 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.
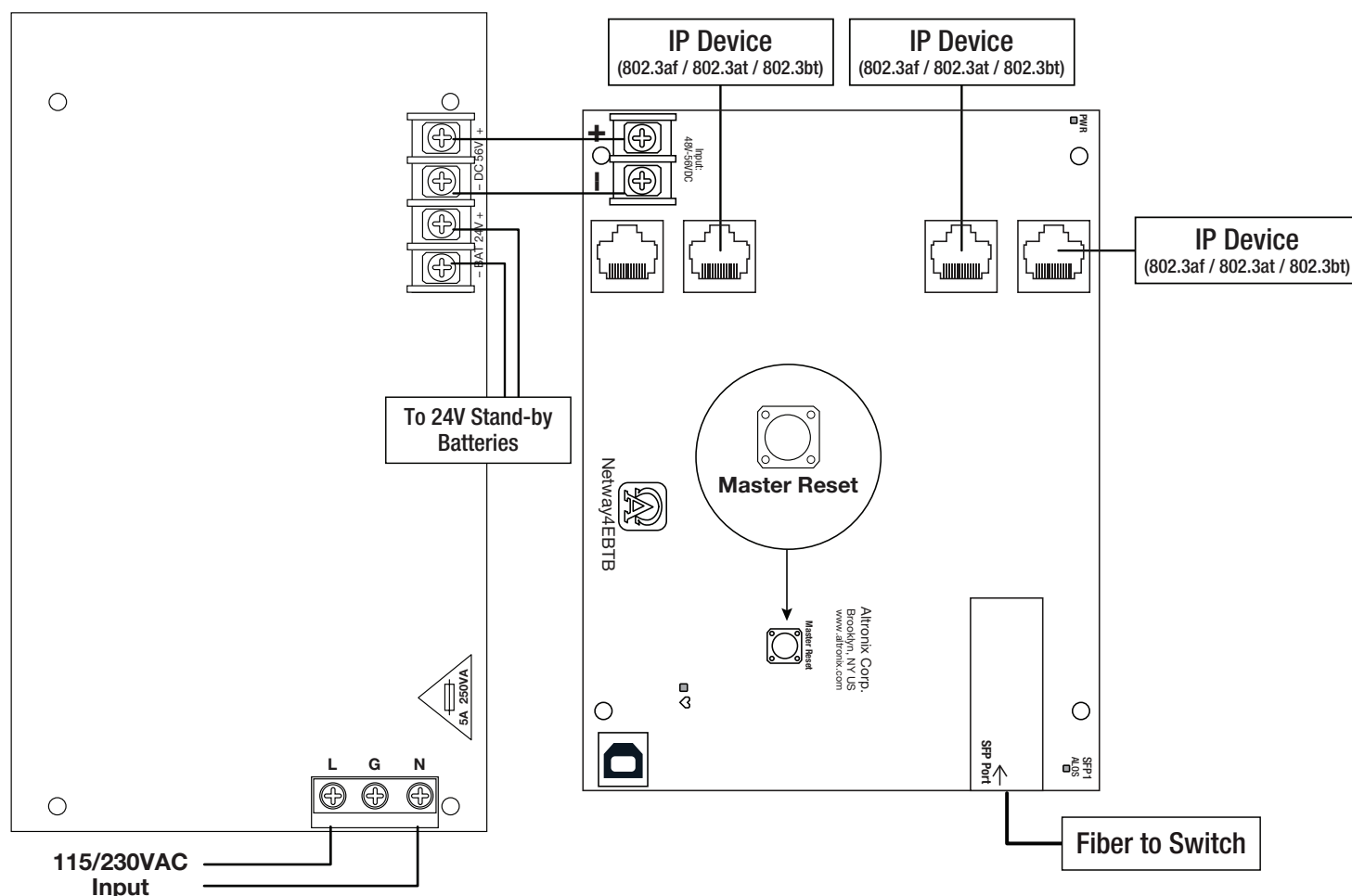
NetWay4EBTWP

## 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

- 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

- CE European Conformity

- NEMA 4/4X, IP66-11 enclosure

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

| | |
|---|---|
| NetWay4EBTWPX | Outdoor 4-port Hardened 4PPoE Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries |
| NetWay4EBTWPN | Outdoor 4-port Hardened 4PPoE Switch in NEMA 4/4X, IP66-11 enclosure |
| NetWay4EBTX | 4-port Hardened 4PPoE Switch with Integral Power in NEMA 1 Rated indoor enclosure |
| NetWay4EBTPL | 4-port Hardened 4PPoE Switch on a Backplane |
| NetWay4EBTB | 4-port Hardened 4PPoE Switch (board only) |

# Altronix®

## NetWay4EBTWP
### 4-port Outdoor Hardened 802.3bt 4PPoE Switch

**Netway** SPECTRUM

## Typical Application

IP Device
(802.3af / 802.3at / 802.3bt)

IP Device
(802.3af / 802.3at / 802.3bt)

IP Device
(802.3af / 802.3at / 802.3bt)

+ DC56V –

– BAT 24V +

Input: 48V-56VDC

PWR

To 24V Stand-by Batteries

Netway4EBTB

**Master Reset**

Master Reset

Altronix Corp.
Brooklyn, NY US
www.altronix.com

5A 250VA

L    G    N

SFP Port

SFP1 ALOS

Fiber to Switch

**115/230VAC Input**

# Altronix®

## NetWay4EBTWP
4-port Outdoor Hardened 802.3bt 4PPoE Switch

**Netway** SPECTRUM

## Specifications

### Input
| | |
|---|---|
| Voltage | 115VAC, 60Hz, 1.8A or 230VAC, 50/60Hz, 1A |
| Fusing | 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

### 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: 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

## Accessories (order separately)

### 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 -
### Ethernet over Fiber Media Converter/Repeater for applications requiring an additional SFP (Fiber) Port
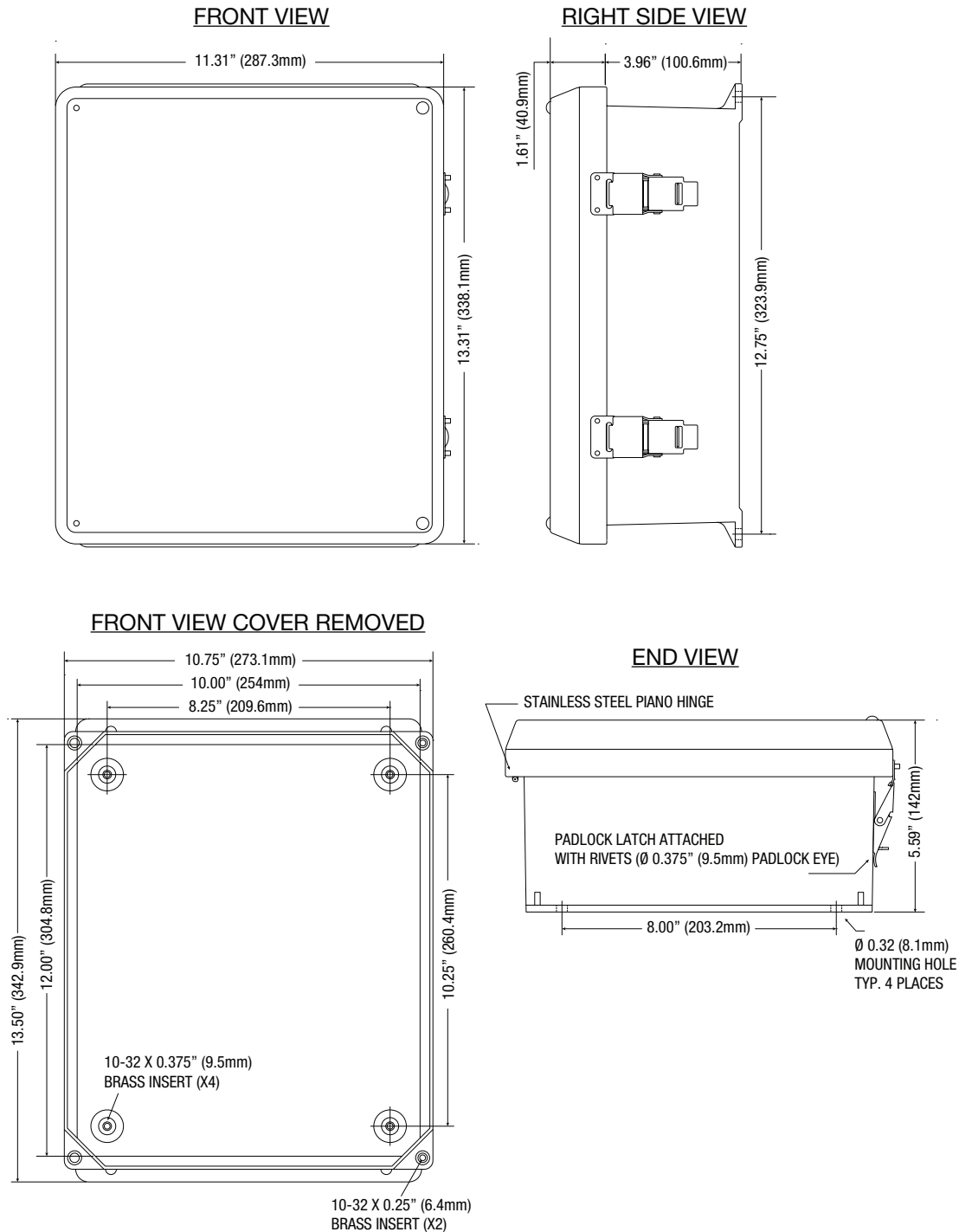NetWaySP1A PoE powered media converter/repeater converts 10/100/1000 Mbps to Fiber (1000Base-X/SX/LX).

## 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

11.31" (287.3mm)

13.31" (338.1mm)

RIGHT SIDE VIEW

3.96" (100.6mm)

1.61" (40.9mm)

12.75" (323.9mm)

FRONT VIEW COVER REMOVED

10.75" (273.1mm)
10.00" (254mm)
8.25" (209.6mm)

13.50" (342.9mm)
12.00" (304.8mm)

10.25" (260.4mm)

10-32 X 0.375" (9.5mm)
BRASS INSERT (X4)

10-32 X 0.25" (6.4mm)
BRASS INSERT (X2)

END VIEW

STAINLESS STEEL PIANO HINGE

5.59" (142mm)

PADLOCK LATCH ATTACHED
WITH RIVETS (Ø 0.375" (9.5mm) PADLOCK EYE)

8.00" (203.2mm)

Ø 0.32 (8.1mm)
MOUNTING HOLE
TYP. 4 PLACES