# Altronix®

## NetWaySP1BTWPN
### 802.3bt Media Converter/Injector

**Netway SPECTRUM®**

Altronix NetWaySP1BTWPN Outdoor 802.3bt media converter/injector provides a single 802.3bt (4PPoE) port up to 90W and accommodates Fiber (1000Base-X/SX/LX) or structured cable to transmit data. Units can be deployed with structured cable, conventional single/ multimode fiber or composite cable (fiber + copper combined). Cameras/edge devices may be located up to 100m from the unit.



NetWaySP1BTWPN

## Specifications

| | |
|---|---|
| **Input** | 48-56VDC @ 1.9A (95W) |
| **Fiber Port** | One (1) 1Gb SFP port |
| **PoE Port** | Single port rated up to 90W max.<br>IEEE 802.3af, 802.3at and 802.3bt compliant |
| **Data Port** | Connectivity: RJ45, auto-crossover<br>Wire type: 4-pair CAT5e<br>Distance: up to 100m<br>Speed: 10/100/1000 Mbps |

### Indicators (LED)

| | |
|---|---|
| **Yellow/Green RJ45 LEDs:** | Yellow: 10/100<br>Green: 10/100/1000 |
| **Green PoE LED:** | PoE present |
| **Green SFP (Fiber) LED:** | SFP connection |

### Features
Auto detection and protection of legacy non-PoE cameras/devices

### Agency Listings

| | |
|---|---|
| CE | European Conformity |

### Physical and Environmental

**Dimensions (W x L x H)**
Enclosure: 9.5" x 7.32" x 4.92" (241.3mm x 185.9mm x 125mm)
Shipping: 13" x 10" x 7" (330.2mm x 254mm x 177.8mm)
NEMA 4/4X, IP66-11 Rated enclosure for outdoor use

**Weight (approx.)**

| | |
|---|---|
| Product: | 10.5 lb. (4.76 kg) |
| Shipping: | 11.9 lb. (5.4 kg) |

**Temperature**
Operating:

| | |
|---|---|
| 60W: | – 40ºC to 75ºC (– 40ºF to 167ºF) |
| 80W: | – 40ºC to 70ºC (– 40ºF to 158ºF) |
| 90W: | – 40ºC to 60ºC (– 40ºF to 140ºF) |
| Storage: | – 40ºC to 85ºC (– 40ºF to 185ºF) |
| Relative Humidity | 85% +/– 5% |
| Operating Altitude | – 304.8 to 2,000m |

## Typical Application
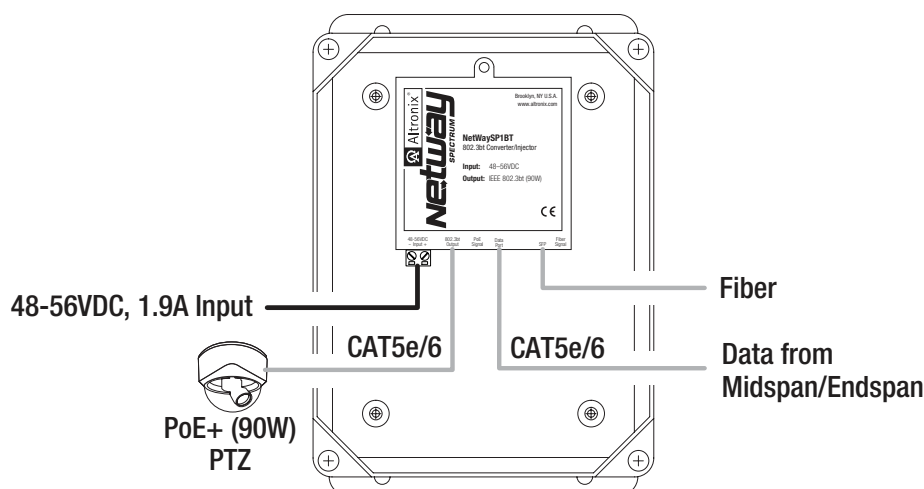


48-56VDC, 1.9A Input

CAT5e/6

PoE+ (90W) PTZ

Fiber

CAT5e/6

Data from Midspan/Endspan

## Similar products

| NetWaySP1BTWPX | Outdoor 802.3bt media converter/injector with integral power in NEMA 4/4X IP66-11 enclosure which accommodates stand-by batteries. |
|---|---|
| NetWaySP1BTWP | Outdoor 802.3bt media converter/injector with integral power in NEMA 4/4X IP66-11 enclosure. |
| NetWaySP1BT | 802.3bt Media converter/injector in compact insulated housing |

## Power Sourcing Equipment and Accessories (order separately)

### 4-port Ethernet over Fiber Media Converters for Applications Utilizing Composite or Conventional Cabling

*(front)*

*(rear)*

**NetWaySP4** — Unit passes a maximum power up to 120W per port (240W total power) from a Power Supply or Midspan Injector. Four (4) 1Gb SFP ports.

**NetWaySP4P** — Unit provides a maximum power up to 120W per port (240W total power) from a built-in Power Supply/ Charger. Four (4) 1Gb SFP ports.

**NetWaySP4P2** — Unit provides 56VDC power-limited 60W max. per port (240W total power) from a built-in Power Supply/Charger. Four (4) 1Gb SFP ports.

**NetWaySP4PX** - Ethernet to Fiber Media Converter with Integral Power Supply/Charger
4-port Ethernet to Fiber Media Converter for applications utilizing composite (power + copper) or conventional cabling. Unit provides power up to 120W per port (480W total power). Four (4) 1Gb SFP ports.

### Conventional Power Sourcing

**WayPoint562 - High Current Outdoor Power Supply/Charger**
56VDC/120W output.
Filtered and electronically regulated output.
Short circuit and thermal overload protection.

WayPoint562

**PoE201 - Power Supply/Charger Board**
56VDC/120W output.
Filtered and electronically regulated output.
Short circuit and thermal overload protection.

PoE201

**Vertiline563 - EIA 19" 1U Rack Mountable Dual Independent Power Supply/Charger**
56VDC @ 3A each output. Filtered and electronically regulated output.
Short circuit and thermal overload protection.

VertiLine563

## Accessories (order separately)

**PMK1 - Pole Mount Kit**
PMK2 pole mount kit is designed to simplify installation of outdoor units.
It accommodates 2"- 8"(diameter) poles.

PMK1

**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.

Lock1WP

**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

**WG1 - NEMA Rated Wire Gland Inlet**
Altronix WG1 facilitates wiring for all Altronix outdoor enclosures.

WG1

# Altronix®

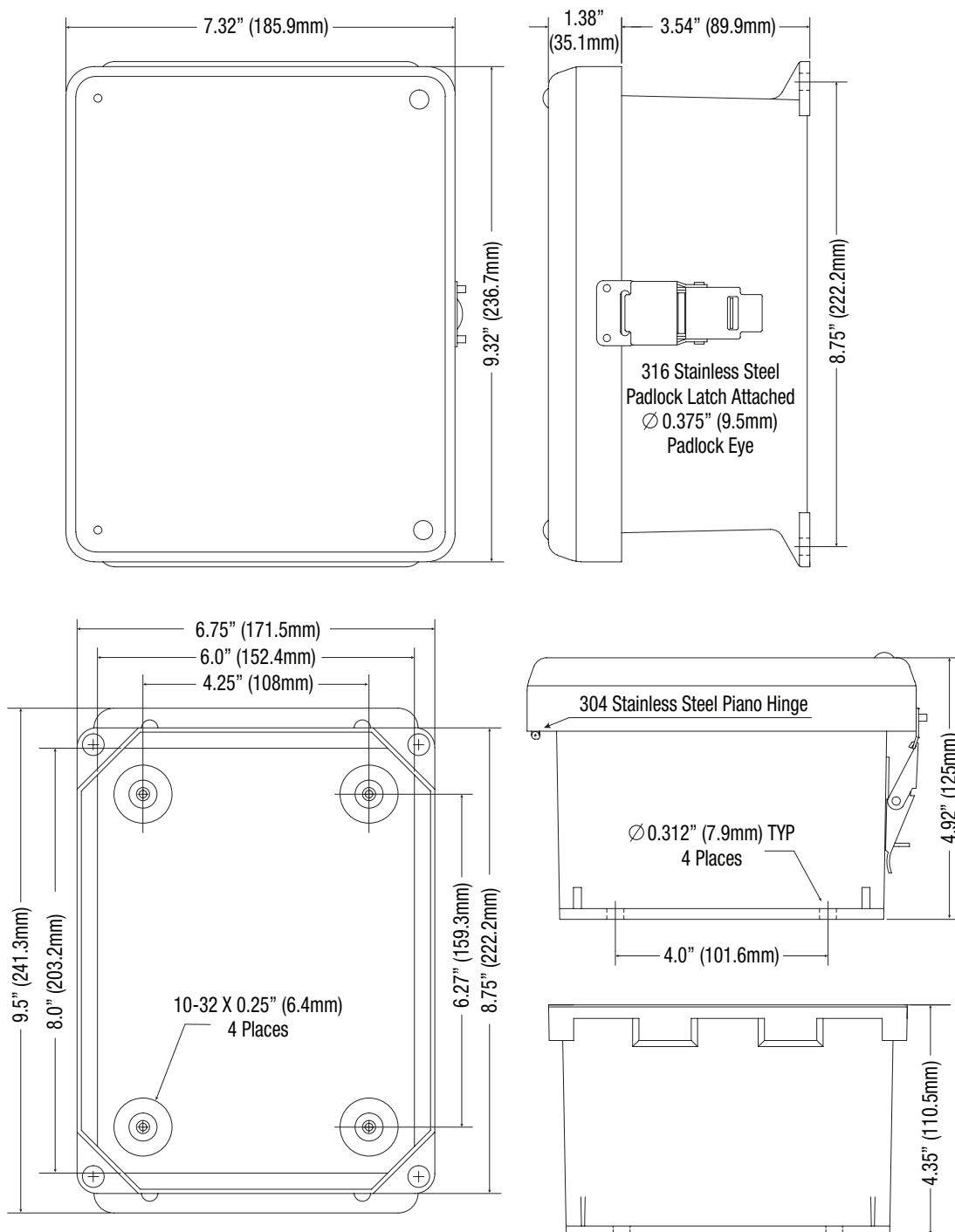## NetWaySP1BTWPN
802.3bt Media Converter/Injector

**Netway** SPECTRUM

## Dimensions and Drawing

Dimensions (H x W x D approximate)
9.5" x 7.32" x 4.92" (241.3mm x 185.9mm x 125mm)



7.32" (185.9mm)

9.32" (236.7mm)

1.38" (35.1mm)     3.54" (89.9mm)

8.75" (222.2mm)

316 Stainless Steel
Padlock Latch Attached
⌀ 0.375" (9.5mm)
Padlock Eye

6.75" (171.5mm)
6.0" (152.4mm)
4.25" (108mm)

9.5" (241.3mm)
8.0" (203.2mm)

6.27" (159.3mm)
8.75" (222.2mm)

10-32 X 0.25" (6.4mm)
4 Places

304 Stainless Steel Piano Hinge

⌀ 0.312" (7.9mm) TYP
4 Places

4.0" (101.6mm)

4.92" (125mm)

4.35" (110.5mm)