Altronix®

NetWaySP4BTWPN
4-port Outdoor Hardened 4PPoE (802.3bt) Switch

Netway SPECTRUM

Altronix NetWaySP4BTWPN supports up to 90W per port (320W 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. NetWaySP4BTWPN 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 NetWaySP41BTWPN.
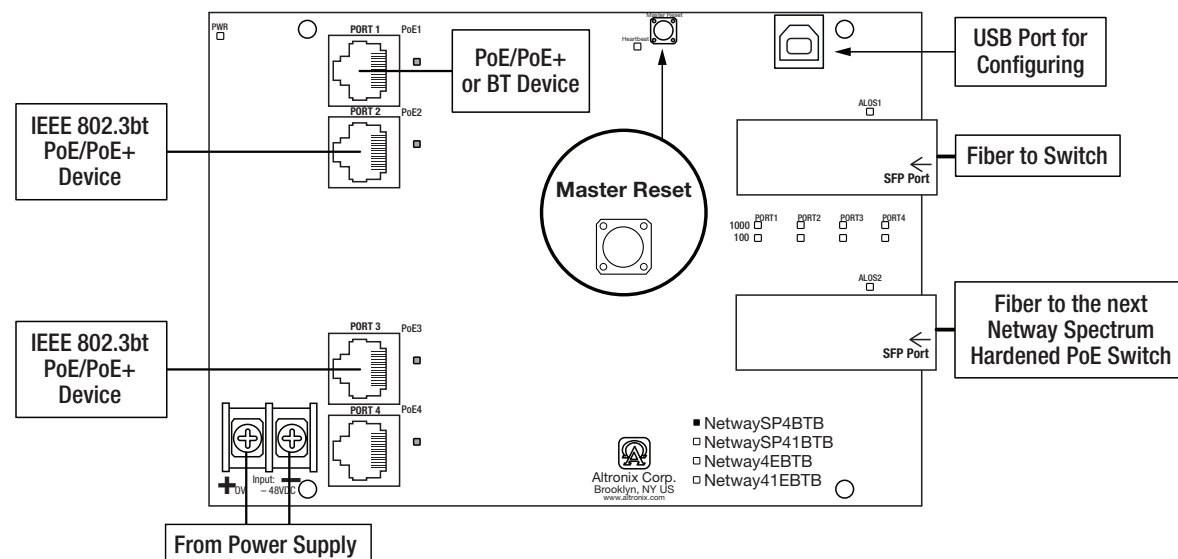
NetWaySP4BTWPN

Key Features

- External 48-55V UL Listed ITE power supply required

- IEEE 802.3af, 802.3at, 802.3bt compliant

- Four (4) 10/100/1000 Mbps Ethernet ports rated at 90W each (limited to 320W total power)

- Two (2) Gigabit SFP ports

- PoE activity LED indicators

- VLAN (Virtual Local Area Networks) subnetwork allows for the grouping together of devices for improved network traffic and higher security

- 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

NetWaySP4BTWPX	Outdoor 4-port Hardened 4PPoE Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWaySP4BTWP	Outdoor 4-port Hardened 4PPoE Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure
NetWaySP4BTX	Indoor 4-port Hardened 4PPoE Switch in NEMA 1 Rated indoor enclosure
NetWaySP4BTPL	4-port Hardened 4PPoE Switch with Integral Power on a Backplane
NetWaySP4BTB	4-port Hardened 4PPoE Switch (board only)

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NetWaySP4BTWPN
4-port Outdoor Hardened 4PPoE (802.3bt) Switch

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Typical Application

Specifications

Input 48V-57V (UL Listed ITE power supply)

Output Four (4) 10/100/1000 Mbps Ethernet ports rated at 90W each (limited to 320W total power) IEEE 802.3af, 802.3at, 802.3bt compliant

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

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

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

VLAN:
Multiple management VLAN assignment
802.1Q Tagged VLAN
Up to 10 VLAN groups. ID Range 2-4095.

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:	9.5 lb. (4.3 kg)
Shipping:	10.9 lb. (4.9 kg)

Temperature
Operating:

240W:	– 40ºC to 55ºC (– 22ºF to 131ºF)
180W:	– 40ºC to 65ºC (– 22ºF to 149ºF)
150W:	– 40ºC to 75ºC (– 22ºF to 167ºF)
Storage:	– 40ºC to 85ºC (– 22ºF to 185ºF)

Relative Humidity 85% +/– 5%
Operating Altitude: – 304.8 to 2,000m

Power Sourcing Equipment and Accessories (order separately)

(front)

(rear)

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

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.

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
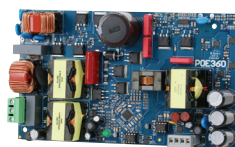**P1AB2K** — Single Strand SFP Module for distances up to 2km
P1GCE — Copper SFP Module for distances up to 100m

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).

PoE Power Supplies

POE240 - 240W Power Supply/Charger
Provides 240W for NetWay Spectrum switches.
It also features a built-in charger for Lithium Iron Phosphate or sealed lead acid batteries.

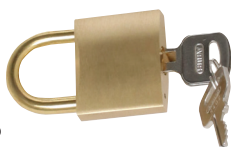#### POE360/POE367 - 360W Power Supply/Charger
Provides 360W for NetWay Spectrum switches.
It also features a built-in charger for sealed lead acid or gel type batteries.

PMK1 - Pole Mount Kit
PMK1 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

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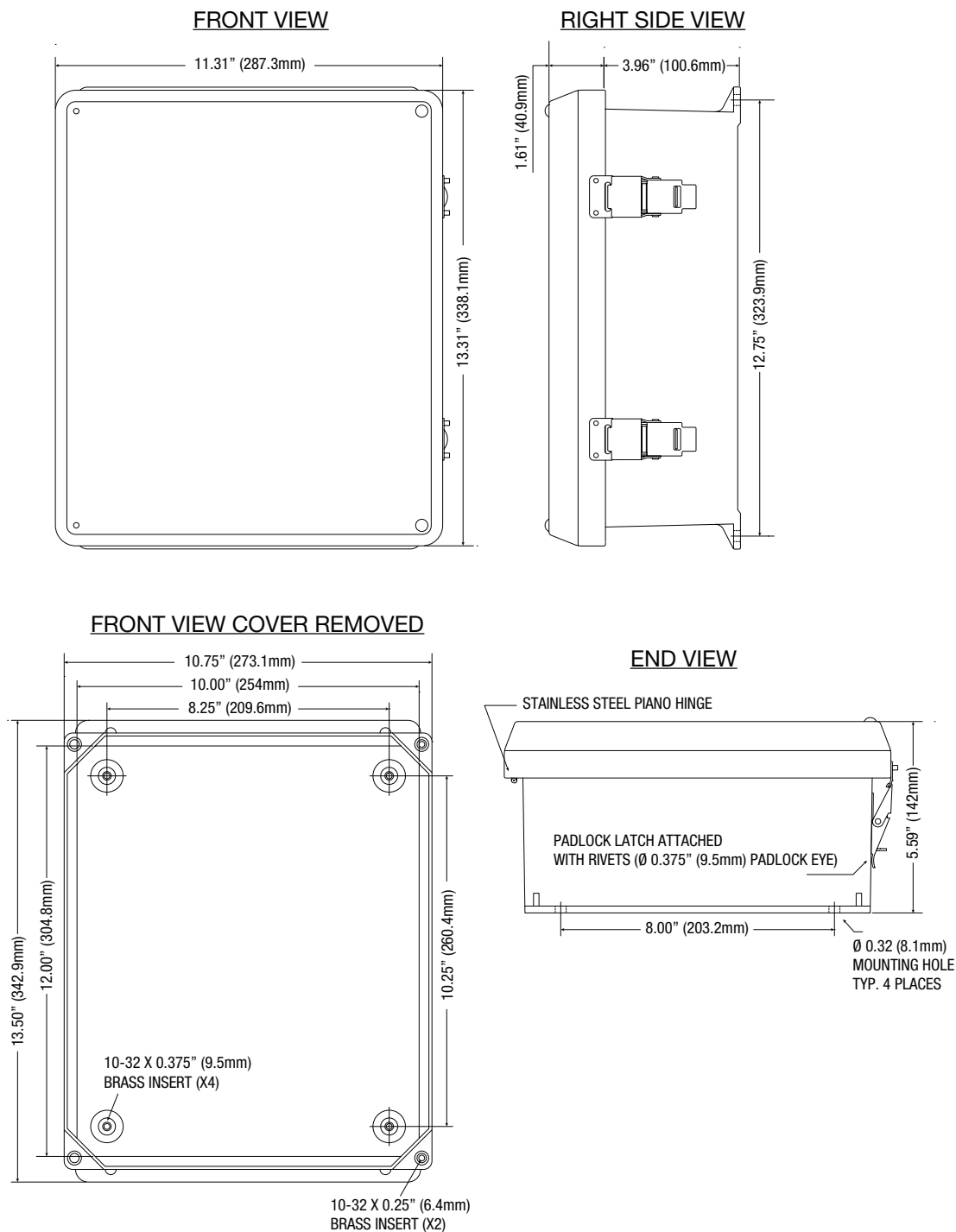Altronix WG1 facilitates wiring for all Altronix outdoor enclosures.

WG1

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

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

5.59" (142mm)

8.00" (203.2mm)

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