Altronix®

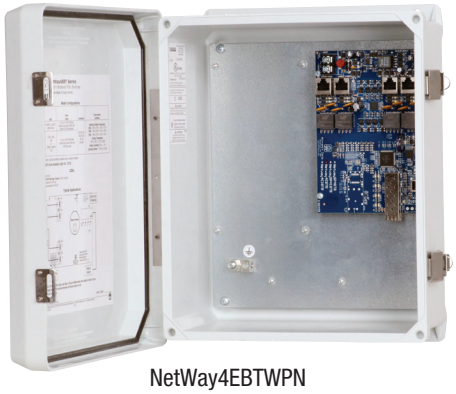
Rev. 05072025

NetWay4EBTWPN

4-port Outdoor Hardened 802.3bt 4PPoE Switch

Altronix NetWay4EBTWPN supports up to 90W per port (320W 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. NetWay4EBTWPN 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 NetWay4E1BTWPN.



NetWay4EBTWPN

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)
- One (1) Gigabit SFP port
- 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

NetWay4EBTWPX	Outdoor 4-port Hardened 4PPoE Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWay4EBTWP	Outdoor 4-port Hardened 4PPoE Switch with Integral Power 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)

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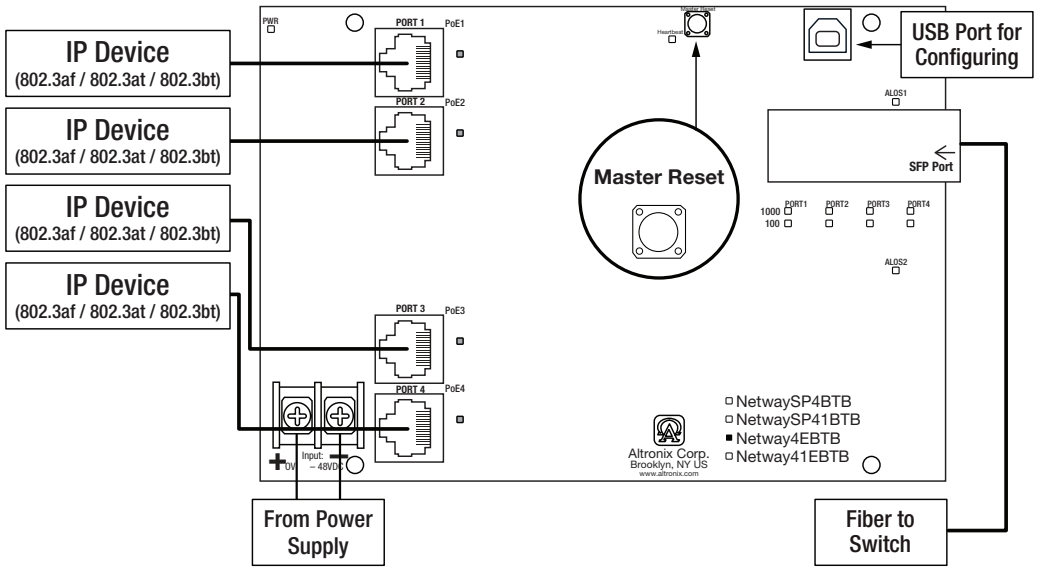
NetWay4EBTWPN

4-port Outdoor Hardened 802.3bt 4PPoE Switch

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: 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

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: 7.7 lb. (3.49 kg)
Shipping: 10.0 lb. (4.54 kg)

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

Relative Humidity 85% +/– 5%

Operating Altitude: – 304.8 to 2,000m

Lifetime Warranty

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NetWay4EBTWPN

4-port Outdoor Hardened 802.3bt 4PPoE Switch

Power Sourcing Equipment and Accessories (order separately)

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.

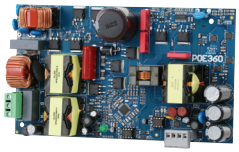
SFP Modules - Hot Pluggable Transceivers

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).



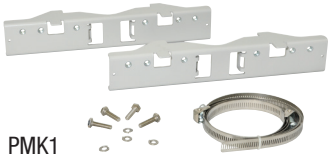
PoE Power Supplies

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

PMK1 - Pole Mount Kit

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

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.

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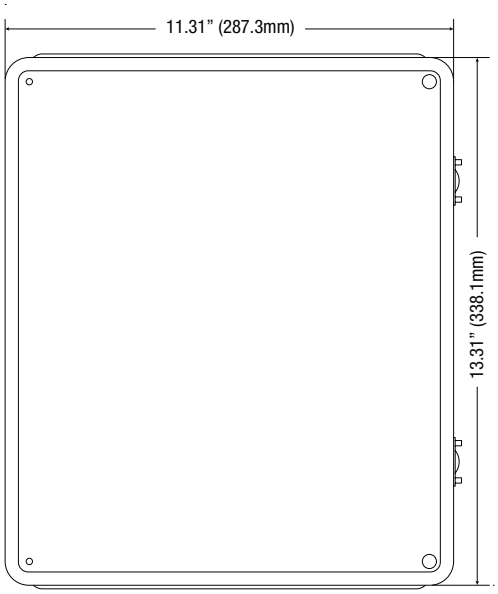
4-port Outdoor Hardened 802.3bt 4PPoE Switch

Dimensions and Drawing

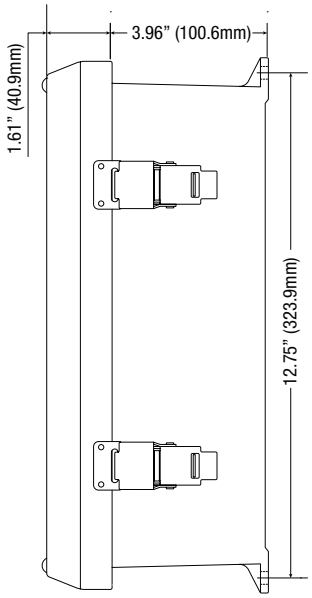
Dimensions (H x W x D approximate)

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

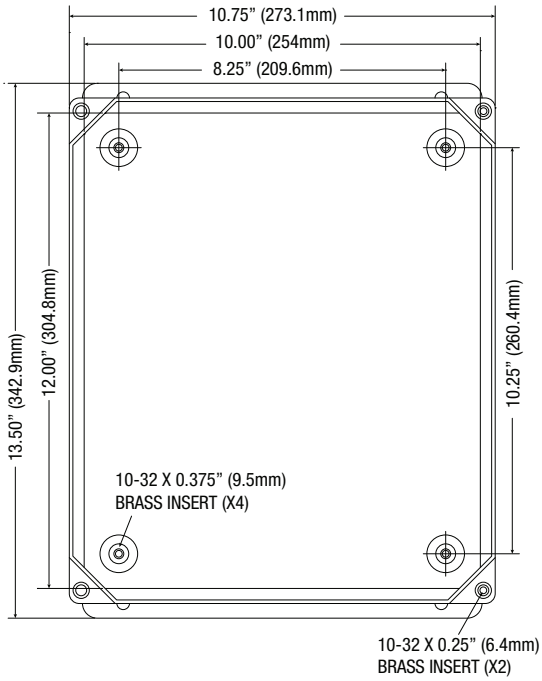
FRONT VIEW



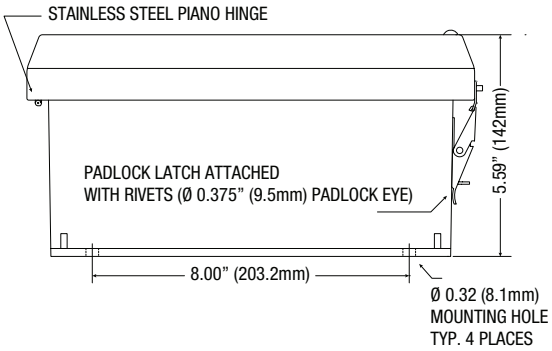
RIGHT SIDE VIEW



FRONT VIEW COVER REMOVED



END VIEW



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