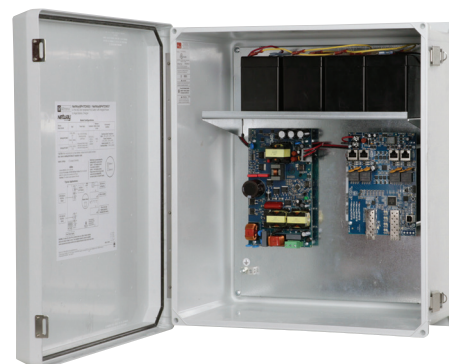


## NetWaySP4TCW53

4-port 802.3bt Hardened PoE Switch with Integral Power & Rapid Battery Charger



Altronix NetWaySP4TCW53 supports up to 90W per port 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 (90W) Ethernet ports. NetWaySP4TCW53 accommodates single/multi-mode fiber cable to deliver power from NetWay Spectrum head-end media converters/injectors. NetWaySP4TCW53 has an integrated rapid battery charger for extended battery run times. Embedded LINQ Technology allows to monitor, control, and report power and diagnostics from anywhere.



NetWaySP4TCW53

For 277VAC input switch see model NetWaySP4TCW57

### Key Features

- Four (4) 802.3bt ports rated up to 90W each\*
- IEEE 802.3af, 802.3at, and 802.3bt compliant
- Two (2) Gigabit SFP ports
- 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 (Virtual Local Area Networks) subnetwork allows for the grouping together of devices for improved network traffic and higher security
- Integrated rapid battery charger for extended battery run times
- Selectable charging circuit 2 or 4A
- CE European Conformity
- NEMA 4/4X, IP66-11 enclosure accommodates batteries

### Accessories (included)



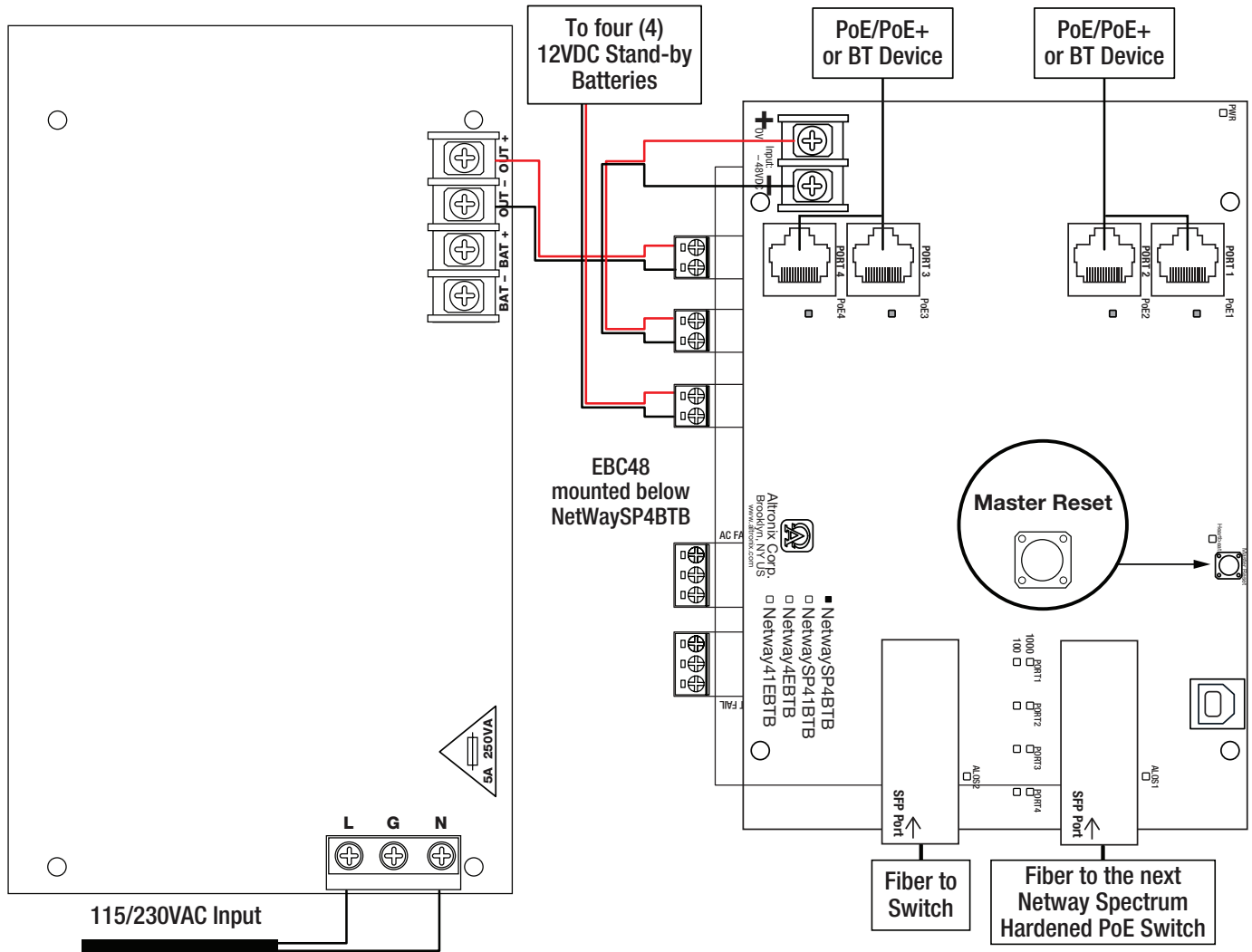
Vent2

#### Vent2 - Air Vents For NEMA4/4X Rated Enclosures

Two (2) Fiberglass, smooth matte finish vents included with hardware and template

#### Lifetime Warranty

## Typical Application



### Lifetime Warranty

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: [info@altronix.com](mailto:info@altronix.com) | [www.altronix.com](http://www.altronix.com)

**Specifications****4-port PoE+ Hardened Switch (NetWaySP4BTB):****Input**

Voltage 56VDC from POE360

**Power Output**

Maximum Power Four (4) PoE ports rated at 90W each, 360W total power max.  
IEEE 802.3af (15W), IEEE 802.3at (30W),  
IEEE 802.3bt (90W) compliant  
Integral surge protection

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, 10/100Base-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

**Power Supply/Charger (POE360):****Input**

Voltage 115VAC, 60Hz, 3.5A or  
230VAC, 50/60Hz, 2A

Input Fuse 5A/250V

**Output**

Voltage Range 54VDC/360W  
Current 6.4A continuous supply current  
Maximum Power 360W total power  
(refer to operating temperature)  
Integral surge protection

**External Rapid Battery Charger (EBC48):****Input**

Voltage 56VDC from POE360

**Battery Charging**

Type LiFePO<sub>4</sub>, sealed lead acid or gel type  
Charging four (4) 12V batteries in series

Current 2A or 4A selectable operation

Failover Upon AC loss, instantaneous

Batteries are sold separately

**Indicators (LED)**

Green Feed from power supply

Red Feed from battery

Blinking Red Battery trouble

**Supervision**

AC Failure Form "C" contacts

Low or Missing Battery Form "C" contacts

**NetWaySP4TCW53:****Agency Listings**

CE European Conformity

**Physical and Environmental****Dimensions (H x W x D)**

Enclosure: 19.31" x 17.32" x 9.58"  
(490.4mm x 439.9mm x 243.3mm)

Shipping: 24.25" x 24.25" x 15"  
(615.95mm x 615.95mm x 381mm)

NEMA 4/4X, IP66-11 Rated enclosure for outdoor use  
Accommodates four (4) 12VDC batteries (48V of backup)  
For outdoor battery backup, battery enclosure must have sufficient ventilation. Use Altronix Vent2 kit

**Weight (approx.)**

Product: 20.6 lb. (9.34 kg)

Shipping: 24.3 lb. (11.1 kg)

**Temperature****Operating:**

360W: - 30°C to 65°C (- 22°F to 149°F)

240W: - 30°C to 70°C (- 22°F to 158°F)

Storage: - 30°C to 85°C (- 22°F to 185°F)

Relative Humidity 85% +/- 5%

BTU/Hr (approx.) 183 BTU/Hr.

Operating Altitude: - 304.8 to 2,000m

**Lifetime Warranty**

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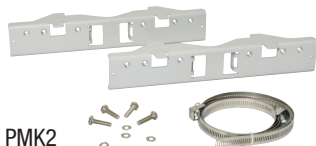


## NetWaySP4TCW53

4-port 802.3bt Hardened PoE Switch with Integral Power & Rapid Battery Charger



### Accessories (order separately)



PMK2

#### PMK2 - Pole Mount Kit

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



#### SFP Modules - Hot Pluggable Transceivers

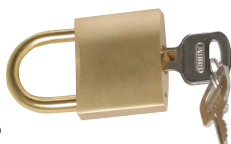
P1MM	Multi-Mode SFP Module for distances up to 550m
P1SM10	Single-Mode SFP Module for distances up to 10km
P1AB2K	Single Strand SFP Module for distances up to 2km
P1GCE	Copper SFP Module for distances up to 100m



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.

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## NetWaySP4TCW53

4-port 802.3bt Hardened PoE Switch with Integral Power & Rapid Battery Charger

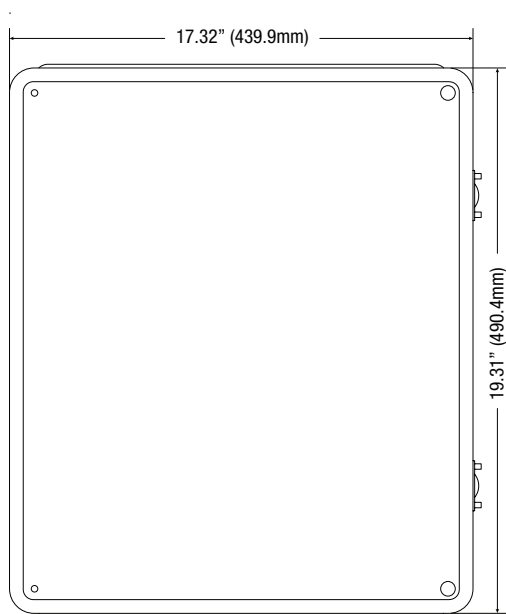


### Dimensions and Drawing

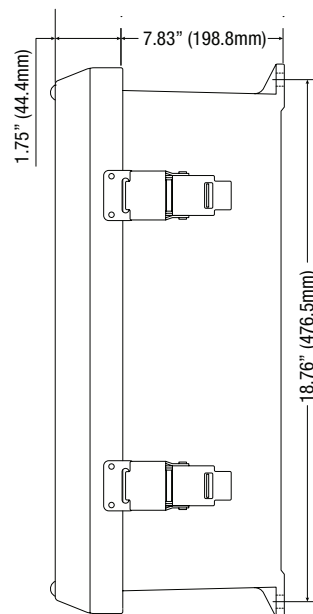
Dimensions (H x W x D approximate)

19.31" x 17.32" x 9.58" (490.4mm x 439.9mm x 243.3mm)

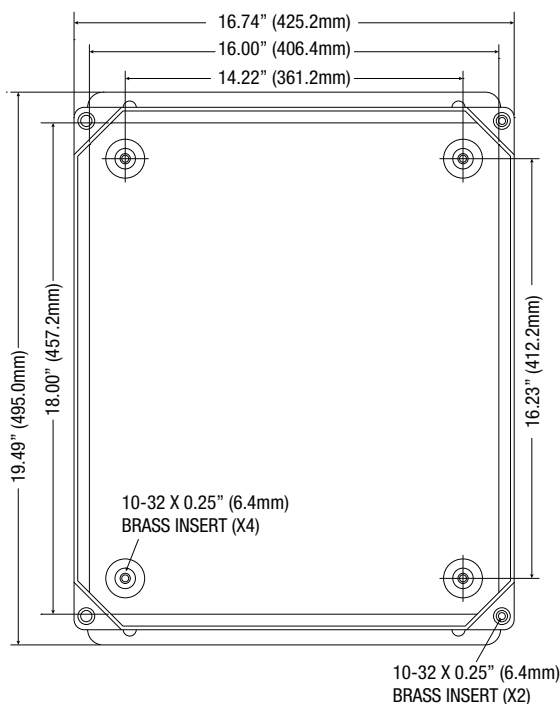
FRONT VIEW



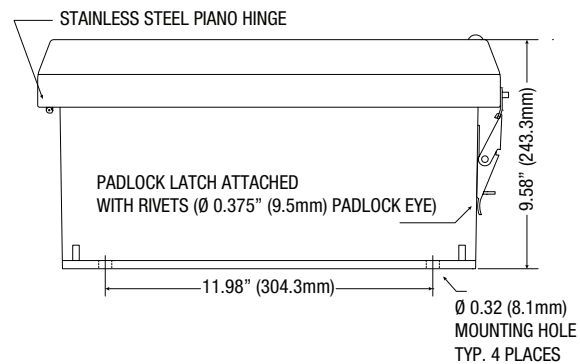
RIGHT SIDE VIEW



FRONT VIEW COVER REMOVED



END VIEW



### Lifetime Warranty

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