

## 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.

For 277VAC input switch see model **NetWaySP4TCW57**



NetWaySP4TCW53

### 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

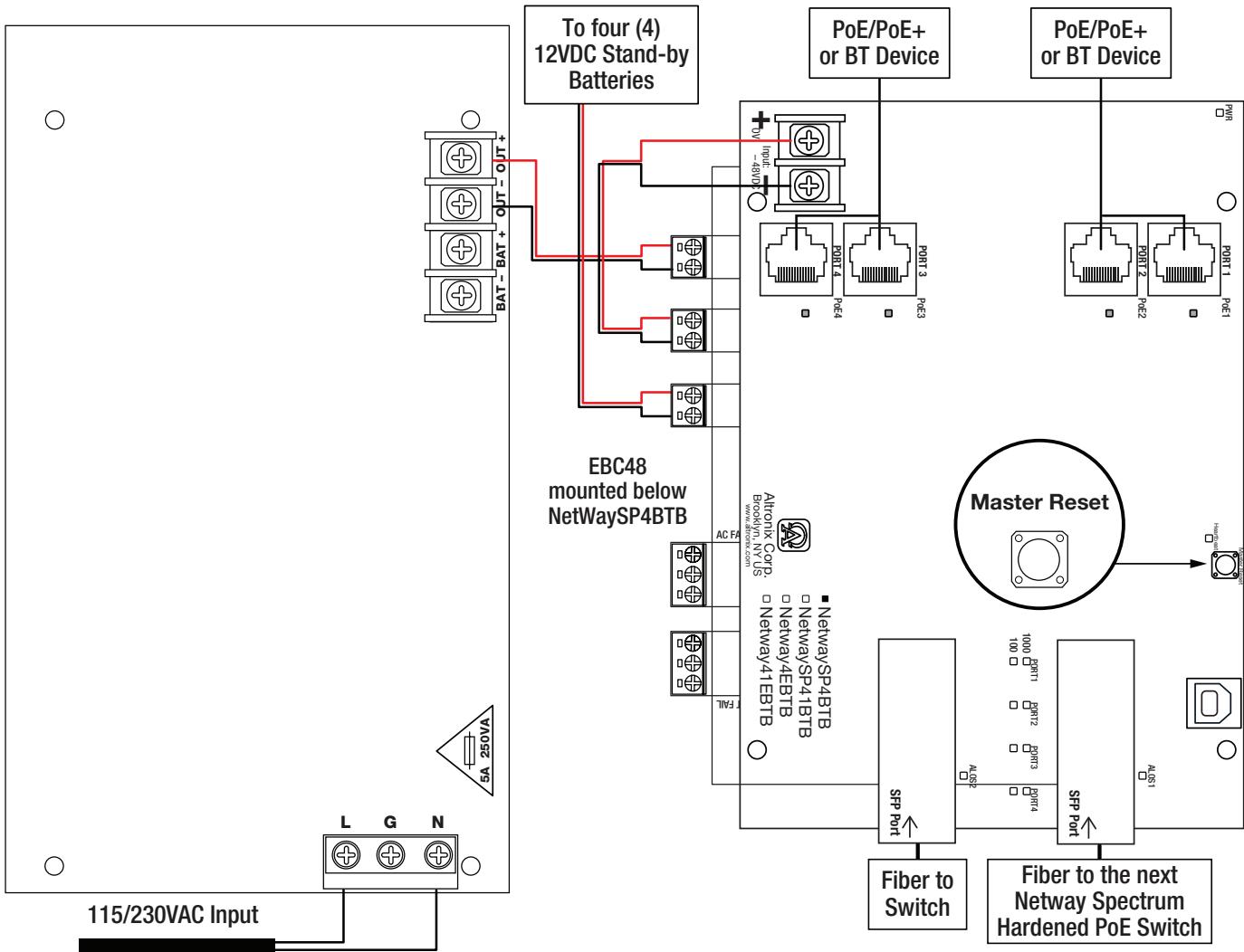
Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

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)

## NetWaySP4TCW53

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

### 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)

## NetWaySP4TCW53

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



### 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 Form "C" contacts  
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

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

phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

**NetWaySP4TCW53**

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

**Accessories (order separately)****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**

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 - 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 - NEMA Rated Wire Gland Inlet**

Altronix WG1 facilitates wiring for all Altronix outdoor enclosures.

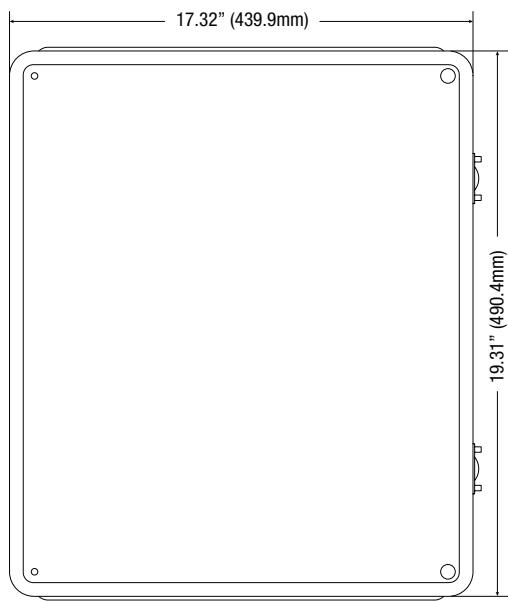
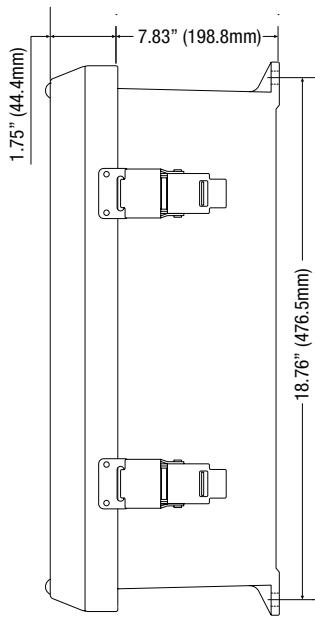
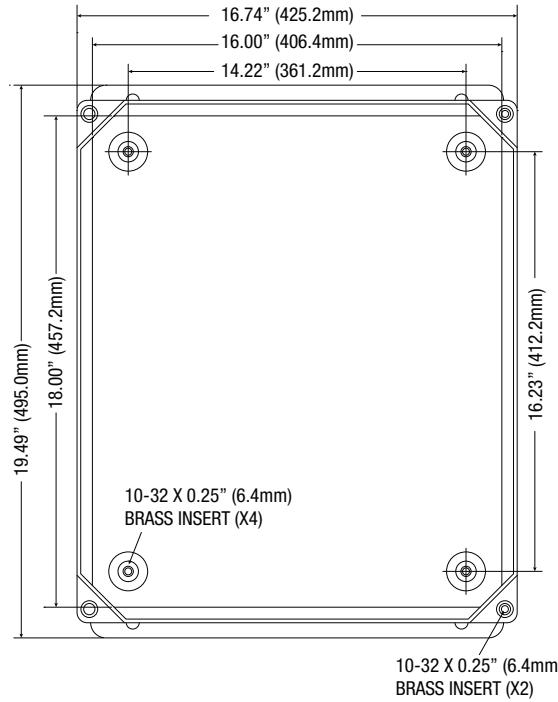
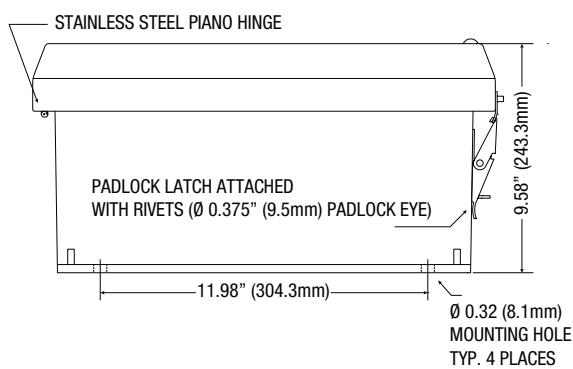
**Lifetime Warranty**

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)

**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**

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)