

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)



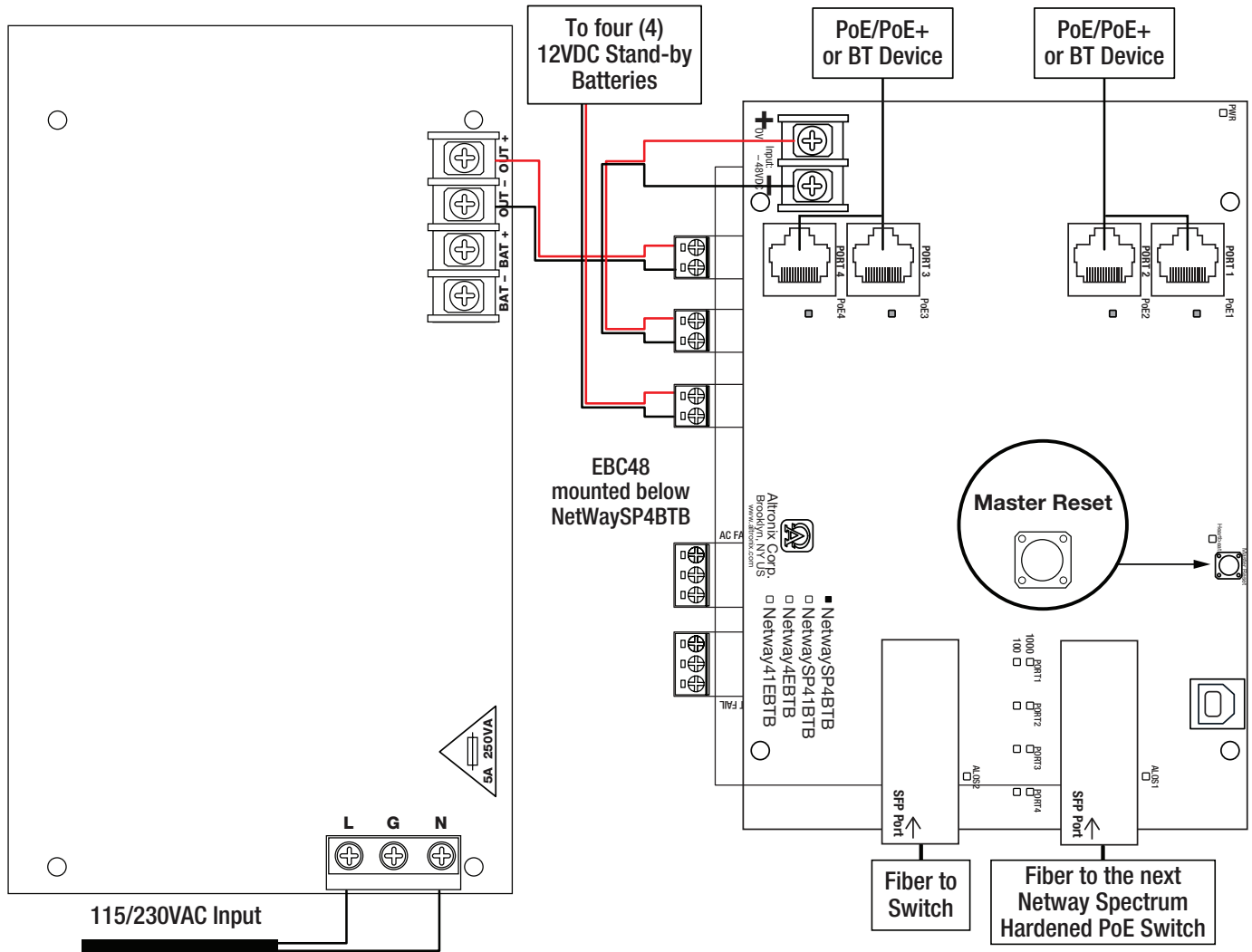
Vent2 - Air Vents For NEMA4/4X Rated Enclosures

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

Vent2

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 | www.altronix.com

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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 LiFePO₄, 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

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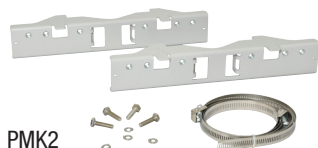


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Accessories (order separately)



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

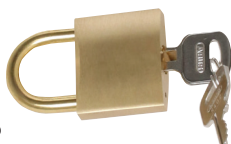


NetWaySP1A

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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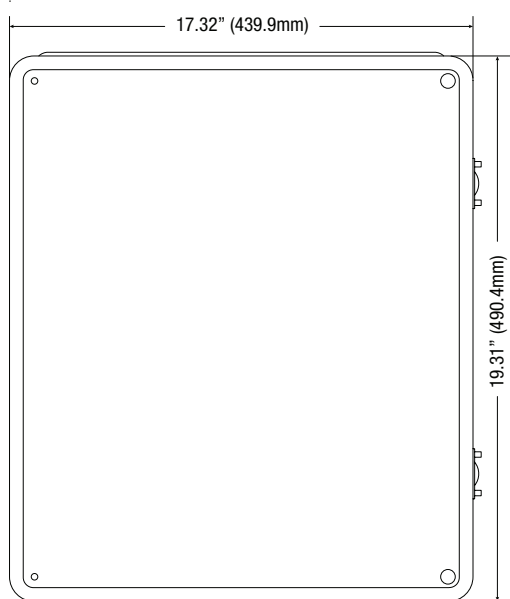
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Dimensions and Drawing

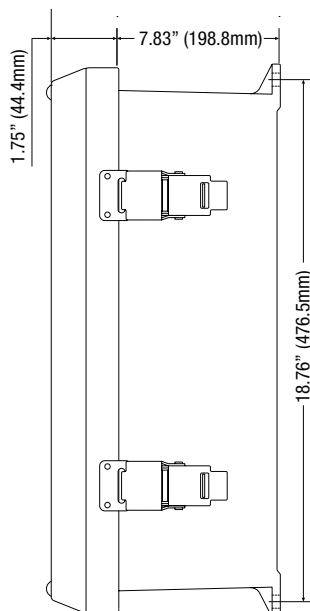
Dimensions (H x W x D approximate)

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

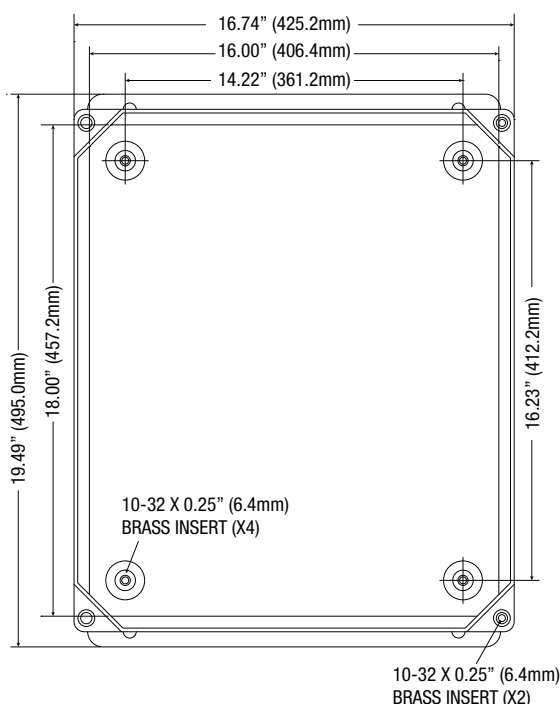
FRONT VIEW



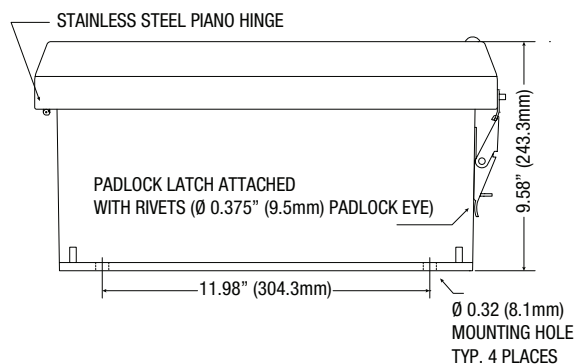
RIGHT SIDE VIEW



FRONT VIEW COVER REMOVED



END VIEW



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