# Altronix®

NetWaySP4WPX
4-port Outdoor Hardened PoE Switch with Integral Power

Netway SPECTRUM

Altronix NetWaySP4WPX Outdoor PoE+ Hardened Switch provides two (2) 1Gb SFP (Fiber) ports and four (4) PoE+ (30W) ports, passing data for PoE/PoE+ compliant devices. Cameras/ edge devices may be located up to 100m from the unit. Embedded LINQ Technology allows you to monitor, control, and report power and diagnostics from anywhere.
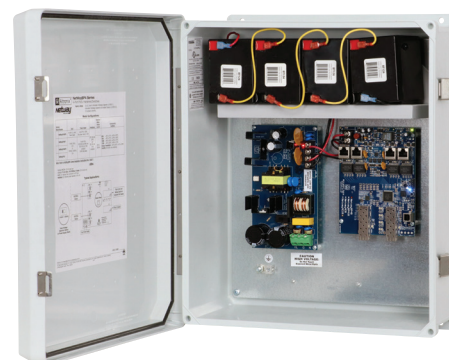
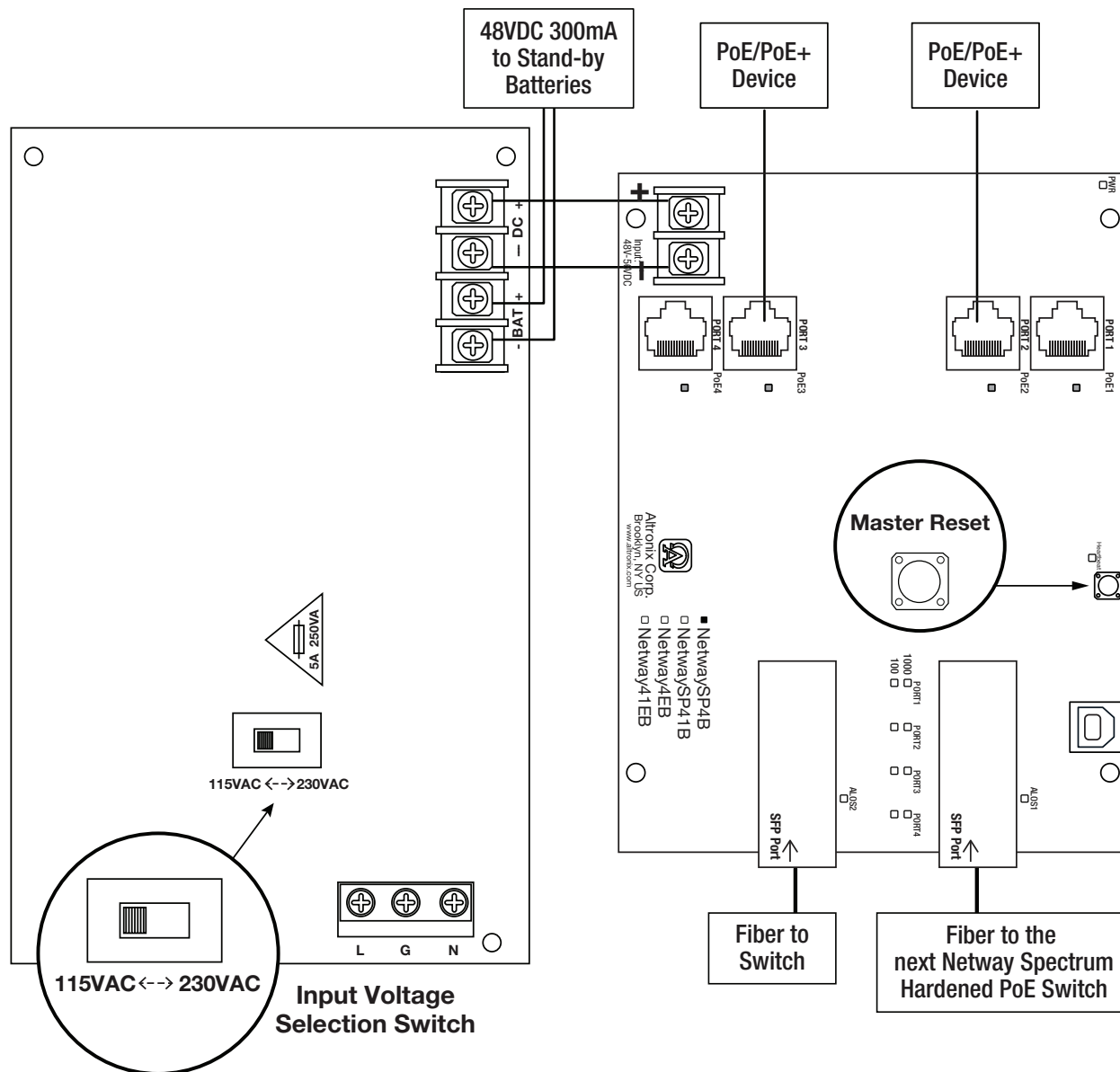NetWaySP4WPX

Key Features

- Two (2) Gigabit SFP ports

- 120W total power:
  - Four (4) PoE/PoE+ (up to 30W) ports

- Four (4) 10/100/1000 Mbps ports

- IEEE 802.3at (30W), IEEE 802.3af (15W) compliant

- PoE activity LED indicators

- Automatic switch over to stand-by battery when AC fails

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

- UL Listed in the U.S. and Canada

- CE European Conformity

- Lifetime Warranty

Similar products

NetWaySP4WP	Outdoor 4-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure
NetWaySP4WPN	Outdoor 4-port PoE+ Hardened Switch only in NEMA 4/4X, IP66-11 enclosure
NetWaySP4X	Indoor 4-port PoE+ Hardened Switch in NEMA 1 Rated indoor enclosure
NetWaySP4PL	4-port PoE+ Hardened Switch with Integral Power on a Backplane
NetWaySP4B	4-port PoE+ Hardened Switch (board only)

Typical Application

48VDC 300mA to Stand-by Batteries

PoE/PoE+ Device

PoE/PoE+ Device

Master Reset

Fiber to Switch

Fiber to the next Netway Spectrum Hardened PoE Switch

115VAC ←→ 230VAC

115VAC ←→ 230VAC
Input Voltage Selection Switch

Specifications

Input

Voltage	115VAC, 60Hz, 2.5A or 230VAC, 50/60Hz, 1.3A
Input Fuse	5A/250V

Power Output

Maximum Power	Four (4) PoE+ (30W) ports
	IEEE 802.3at (30W) and IEEE 802.3af (15W) compliant
	120W total power
	Integral surge protection

Fiber Ports:
Two (2) Gigabit SFP ports

Ethernet Ports:
Four (4) 10/100/1000 Mbps ports
Connectivity: RJ45, auto-crossover
Wire type: 4-pair CAT5 or better structured cable
Distance: up to 100m
Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation

Battery Charging

Capacity	12VDC/4AH (4 within enclosure)
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous

Batteries are sold separately

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

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

LINQ Technology:
Remote network management allows for camera/device reset and monitoring
Provides local and/or remote access to critical information via LAN/WAN
Email and Windows Dashboard Alert notifications report real-time diagnostics
Event log tracks history

Agency Listings

UL/cUL	UL60950-1 (Information Technology Equipment) UL60950-22 (Information Technology Equipment to be installed Outdoors)
CE	European Conformity

Physical and Environmental

Dimensions (H x W x D)

Enclosure:	17.53" x 15.3" x 6.67" (445.3mm x 388.6mm x 169.4mm)
Shipping:	21.375" x 14.5" x 9.5" (542.9mm x 374.7mm x 241.3mm)

NEMA 4/4X, IP66-11 Rated enclosure for outdoor use
Accommodates four (4) 12VDC/4AH batteries (48V of backup)

Weight (approx.)

Product:	15 lb. (6.8 kg)
Shipping:	17.5 lb. (7.9 kg)

Temperature

Operating:

60W:	– 40ºC to 75ºC (– 40ºF to 167ºF)
75W:	– 40ºC to 70ºC (– 40ºF to 158ºF)
100W:	– 40ºC to 55ºC (– 40ºF to 131ºF)
120W:	– 40ºC to 45ºC (– 40ºF to 113ºF)
Storage:	– 40ºC to 85ºC (– 40ºF to 185ºF)

Relative Humidity	85% +/– 5%
BTU/Hr (approx.)	61 BTU/Hr.
Operating Altitude:	– 304.8 to 2,000m

Accessories (order separately)
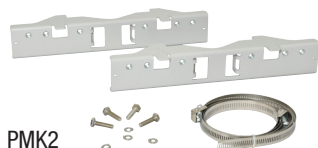
PMK2 - Pole Mount Kit
PMK2 pole mount kit is designed to simplify installation of outdoor units. It accommodates 2"- 8"(diameter) poles.

PMK2

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).

NetWaySP1A

Vent2 - Air Vents For NEMA4/4X Rated Enclosures
Altronix Vent2 air vents ensure efficient air circulation and prevent water condensation in
NEMA4/4X Rated Enclosures. Pair of air vents must be mounted per enclosure.

Vent2
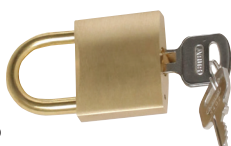
LOCK1WP - Pad Lock for Altronix Outdoor Enclosures
Altronix Lock1WP is a pad lock to secure the latches on Altronix outdoor enclosures.
Includes a single pad lock and two (2) keys.

Lock1WP

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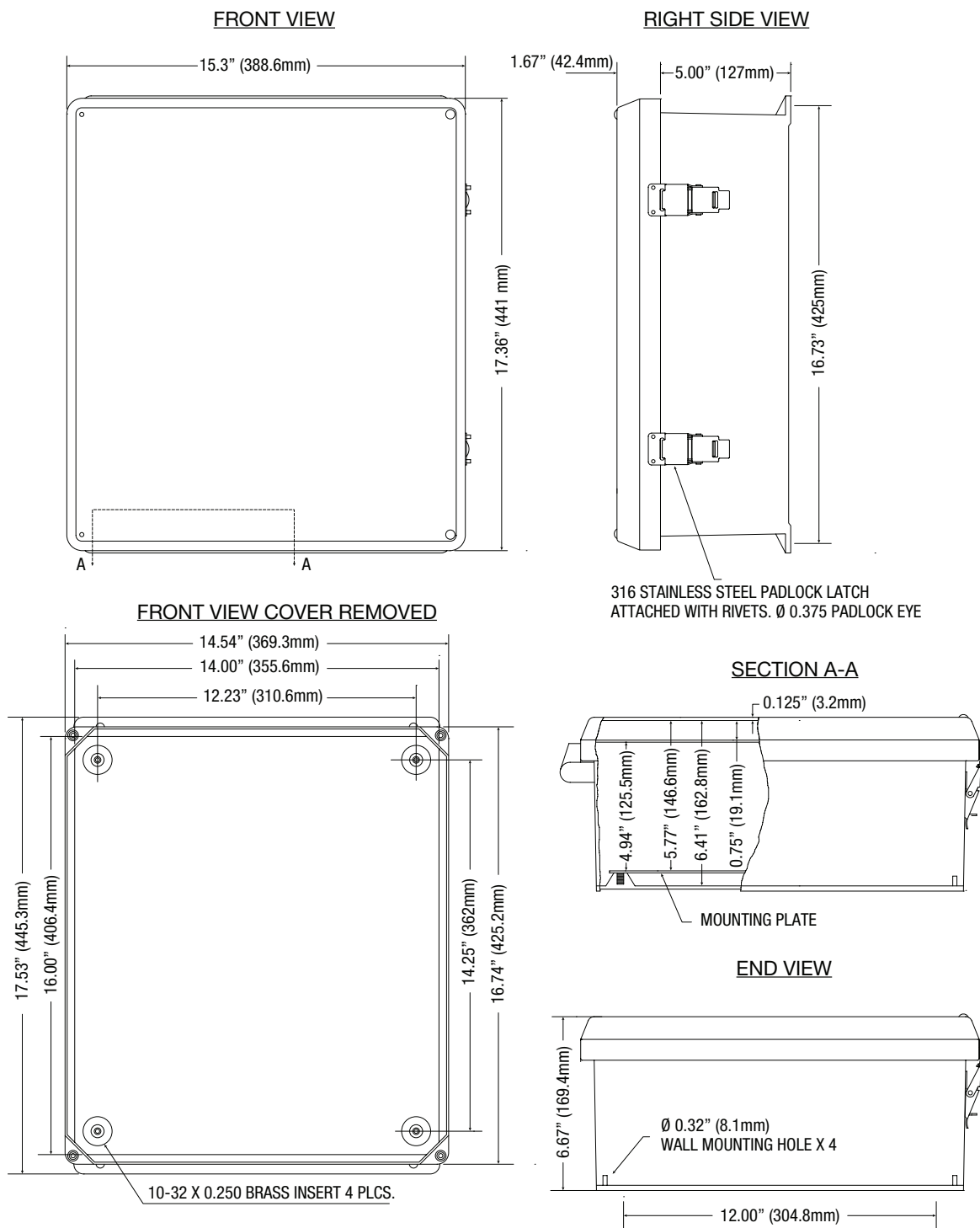Altronix WG1 facilitates wiring for all Altronix outdoor enclosures.

WG1

Dimensions and Drawing

Dimensions (H x W x D approximate)

17.53" x 15.3" x 6.67" (445.3mm x 388.6mm x 169.4mm)

FRONT VIEW

15.3" (388.6mm)

1.67" (42.4mm)

17.36" (441 mm)

A   A

RIGHT SIDE VIEW

5.00" (127mm)

16.73" (425mm)

316 STAINLESS STEEL PADLOCK LATCH
ATTACHED WITH RIVETS. Ø 0.375 PADLOCK EYE

FRONT VIEW COVER REMOVED

14.54" (369.3mm)
14.00" (355.6mm)
12.23" (310.6mm)

17.53" (445.3mm)
16.00" (406.4mm)

14.25" (362mm)
16.74" (425.2mm)

10-32 X 0.250 BRASS INSERT 4 PLCS.

SECTION A-A

0.125" (3.2mm)

4.94" (125.5mm)
5.77" (146.6mm)
6.41" (162.8mm)
0.75" (19.1mm)

MOUNTING PLATE

END VIEW

6.67" (169.4mm)

Ø 0.32" (8.1mm)
WALL MOUNTING HOLE X 4

12.00" (304.8mm)