NetWaySP4WPN

4-port Outdoor Hardened PoE Switch

Netway *SPECTRUM*

Altronix NetWaySP4WPN 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.

For unmanaged switch see model NetWaySP41WPN.
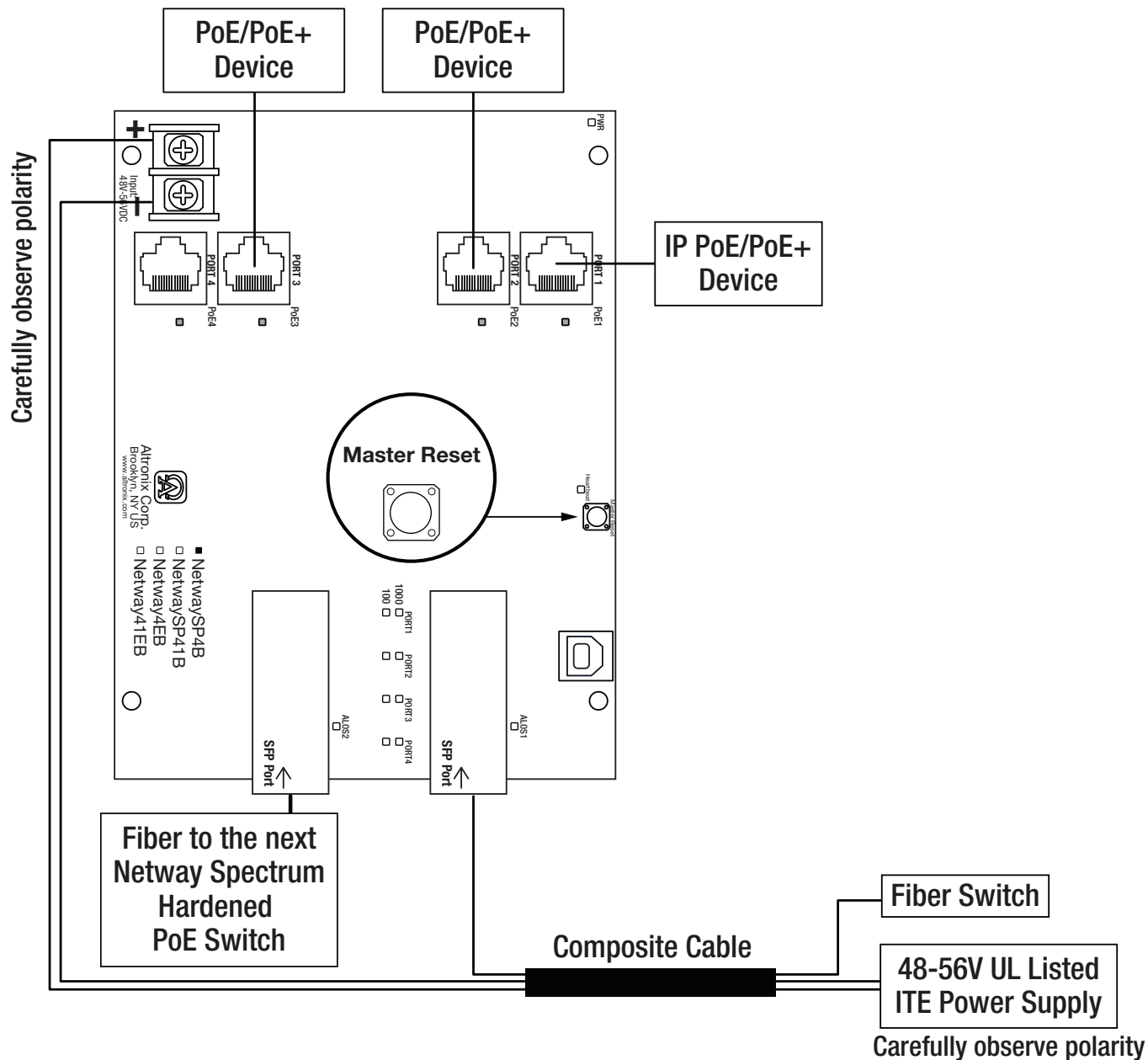
NetWaySP4WPN

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

- 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

NetWaySP4WPX	Outdoor 4-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWaySP4WP	Outdoor 4-port PoE+ Hardened Switch 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)

Altronix®

Netway SPECTRUM

Typical Composite (Fiber + Copper) Application

PoE/PoE+
Device

PoE/PoE+
Device

IP PoE/PoE+
Device

Carefully observe polarity

+
Input
48V-56VDC

PWR

PORT 4   PoE4
PORT 3   PoE3

PORT 2   PoE2
PORT 1   PoE1

Altronix Corp.
Brooklyn, NY US
www.altronix.com

Master Reset

Heartbeat
Master Reset

■ NetwaySP4B
□ NetwaySP41B
□ Netway4EB
□ Netway41EB

1000   PORT1
100

PORT2

PORT3

ALOS2   PORT4

ALOS1

SFP Port ↑

SFP Port ↑

**Fiber to the next
Netway Spectrum
Hardened
PoE Switch**

Composite Cable

Fiber Switch

**48-56V UL Listed
ITE Power Supply**

Carefully observe polarity

Specifications

Input
Voltage 48-56V UL Listed ITE power supply (up to 120W)

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

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: 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: 9.5 lb. (4.3 kg)
Shipping: 10.9 lb. (4.9 kg)

Temperature

Operating (120W): – 40ºC to 75ºC (– 40ºF to 167ºF)
Storage: – 40ºC to 85ºC (– 40ºF to 185ºF)

Relative Humidity 85% +/– 5%

Operating Altitude: – 304.8 to 2,000m

Power Sourcing Equipment and Accessories (order separately)

(front)

(rear)

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

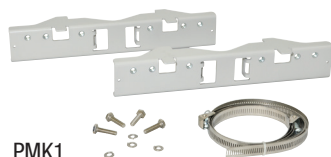**POE60 - 75W Power Supply/Lithium Iron Phosphate Charger**
Provides 75W for NetWay Spectrum switches.
It also features a built-in charger for Lithium Iron Phosphate batteries.

POE201 - 120W Power Supply/Charger
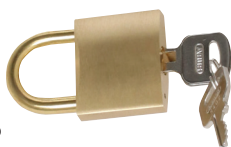Provides 120W for NetWay Spectrum switches.
It also features a built-in charger for sealed lead acid or gel type batteries.

PMK1 - Pole Mount Kit

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

PMK1

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)
13.3" x 11.3" x 5.59" (338.1mm x 287.3mm x 142mm)

FRONT VIEW

11.31" (287.3mm)

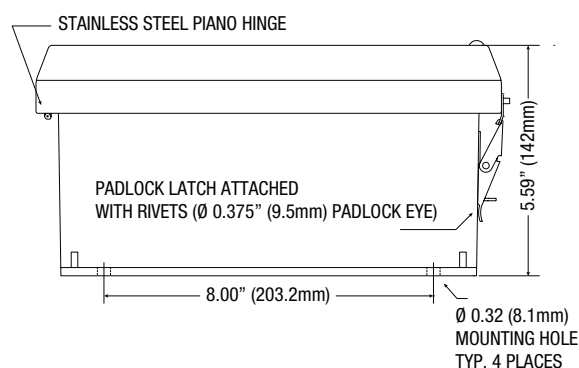13.31" (338.1mm)

RIGHT SIDE VIEW

3.96" (100.6mm)

1.61" (40.9mm)

12.75" (323.9mm)
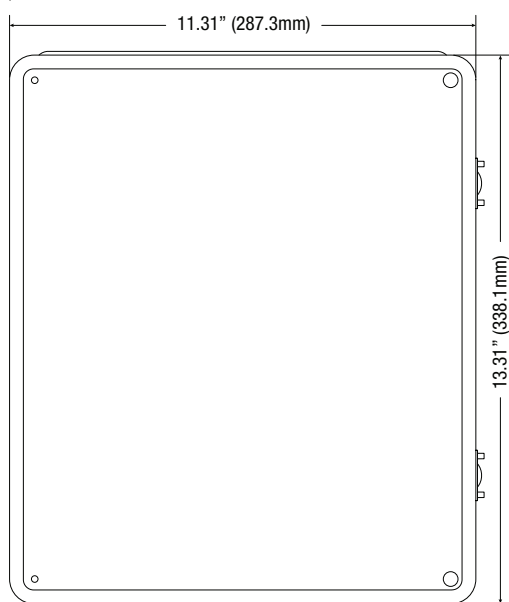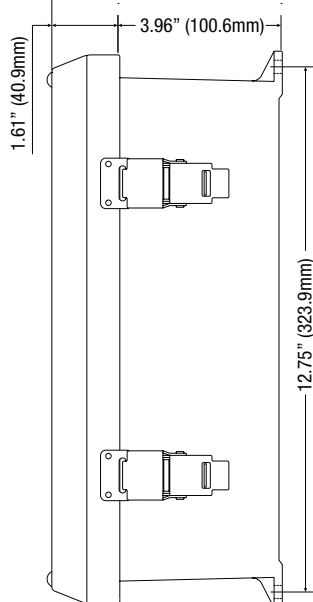
FRONT VIEW COVER REMOVED

10.75" (273.1mm)
10.00" (254mm)
8.25" (209.6mm)

13.50" (342.9mm)
12.00" (304.8mm)
10.25" (260.4mm)

10-32 X 0.375" (9.5mm)
BRASS INSERT (X4)

10-32 X 0.25" (6.4mm)
BRASS INSERT (X2)

END VIEW

STAINLESS STEEL PIANO HINGE

PADLOCK LATCH ATTACHED
WITH RIVETS (Ø 0.375" (9.5mm) PADLOCK EYE)

5.59" (142mm)

8.00" (203.2mm)

Ø 0.32 (8.1mm)
MOUNTING HOLE
TYP. 4 PLACES