Altronix®

NetWaySP8WPN

8-port Outdoor Hardened PoE Switch

Netway SPECTRUM

Altronix NetWaySP8WPN PoE+ Outdoor Hardened Switch provides two (2) 1Gb SFP (Fiber) ports and eight (8) PoE+ (30W) or two (2) Hi-PoE (60W) ports (external 48-55V UL Listed ITE power supply required), passing data for PoE/PoE+/Hi-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.

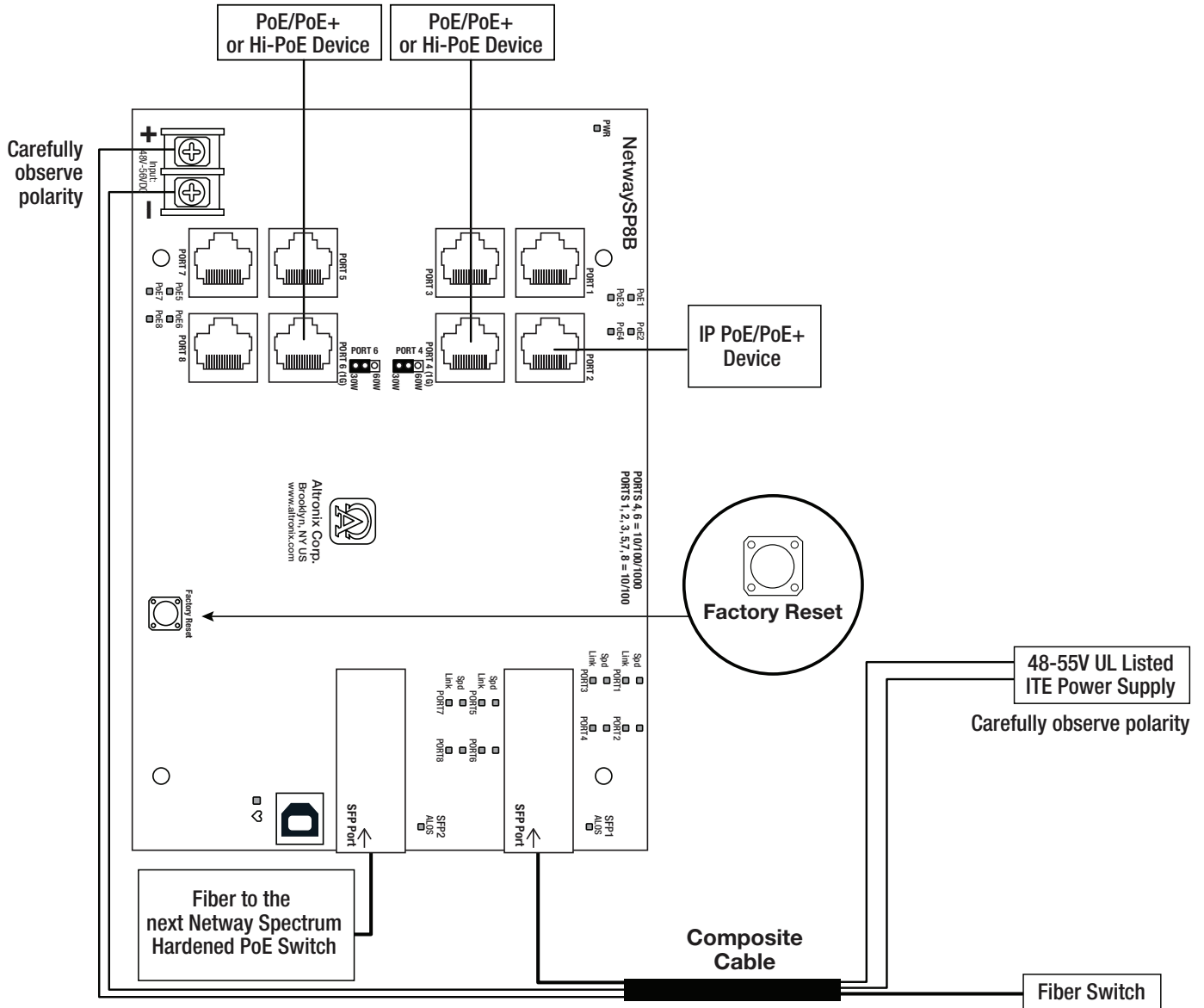NetWaySP8WPN

Key Features

- Two (2) Gigabit SFP ports.

- 115W total power:

  - Eight (8) PoE/PoE+ (up to 30W) ports or two (2) Hi-PoE (60W) ports

- Two (2) 10/100/1000 Mbps ports

- Six (6) 10/100 Mbps ports

- IEEE 802.3at (30W), IEEE 802.3af (15W) compliant, or Hi-PoE (60W)

- 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)

Typical Composite (Fiber + Copper) Application

PoE/PoE+
or Hi-PoE Device

PoE/PoE+
or Hi-PoE Device

Carefully
observe
polarity

Input:
48V-56VDC

NetwaySP8B

PWR

PORT 7 PoE5
PoE7

PORT 5

PORT 3

PORT 1

PoE1 PoE2
PoE3
PoE4

PoE6
PoE8

PORT 8

PORT 6
PORT 6 (1G) 30W 60W

PORT 4 (1G)
30W 60W

PORT 2

IP PoE/PoE+
Device

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

PORTS 4, 6 = 10/100/1000
PORTS 1, 2, 3, 5,7, 8 = 10/100

Factory Reset

Factory Reset

48-55V UL Listed
ITE Power Supply

Carefully observe polarity

Spd
Link PORT1
Spd
Link PORT3

Spd
Link PORT5
Spd
Link PORT7

PORT8

PORT6

PORT2

PORT4

SFP2
ALOS

SFP1
ALOS

SFP Port

SFP Port

Fiber to the
next Netway Spectrum
Hardened PoE Switch

**Composite
Cable**

Fiber Switch

Specifications

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

Power Output
Maximum Power   Eight (8) PoE+ (30W) ports
or two (2) Hi-PoE (60W) ports
IEEE 802.3at (30W) and
IEEE 802.3af (15W) compliant
115W total power. Integral surge protection

Fiber Ports: Two (2) Gigabit SFP ports

Ethernet Ports: Six (6) 10/100 Mbps and
two (2) 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
Enclosure Dimensions (H x W x D approx.):
13.31" x 11.31" x 5.59" (338.1mm x 287.3mm x 142mm)
NEMA 4/4X, IP66-11 Rated enclosure for outdoor use
Product Weight / Shipping (approx.)
     Product Weight: 9.5 lb. (4.3 kg).
     Shipping Weight: 10.9 lb. (4.9 kg).
Temperature
     Operating (115W):   -40ºC to 75ºC (-40ºF to 167ºF)
     Storage: -40ºC to 85ºC (-40ºF to 185ºF)
Relative Humidity: 85% +/-5%
Operating Altitude: -304.8 to 2,000m

Accessories (order separately)

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).

4-port Ethernet over
Fiber Media Converter
for applications utilizing
composite or conventional
cabling

NetWaySP4 -
Unit passes a maximum power up to 120W per port from a Power Supply
or Midspan Injector. Four (4) 1Gb SFP ports.

NetWaySP4P -
Unit passes a maximum power up to 120W per port from a built-in
Power Supply/Charger. Four (4) 1Gb SFP ports.

NetWaySP4P2 -
Unit passes 56VDC power-limited 60W max. per port 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.
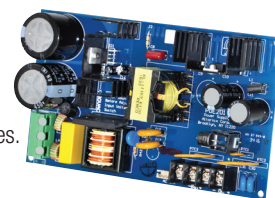**P1GCE**   Copper SFP Module for distances up to 100m.

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
Designed to simplify installation of outdoor
units (WP1, WP3 and WP4).
It accommodates 2"- 8"(diameter) poles.