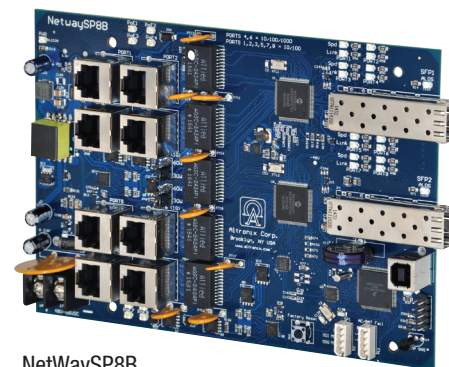# Altronix®

NetWaySP8B
8-port Hardened PoE Switch Board

Netway SPECTRUM

Altronix NetWaySP8B PoE+ Switch board provides two (2) 1Gb SFP (Fiber) ports and eight (8) PoE+ (30W) or two (2) 60W 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.

NetWaySP8B

Key Features

- Two (2) Gigabit SFP ports.

- 115W total power (supports 240W total, not evaluated by UL):

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

- Mounting hardware included

- UL Listed in the U.S. and Canada

- CE European Conformity
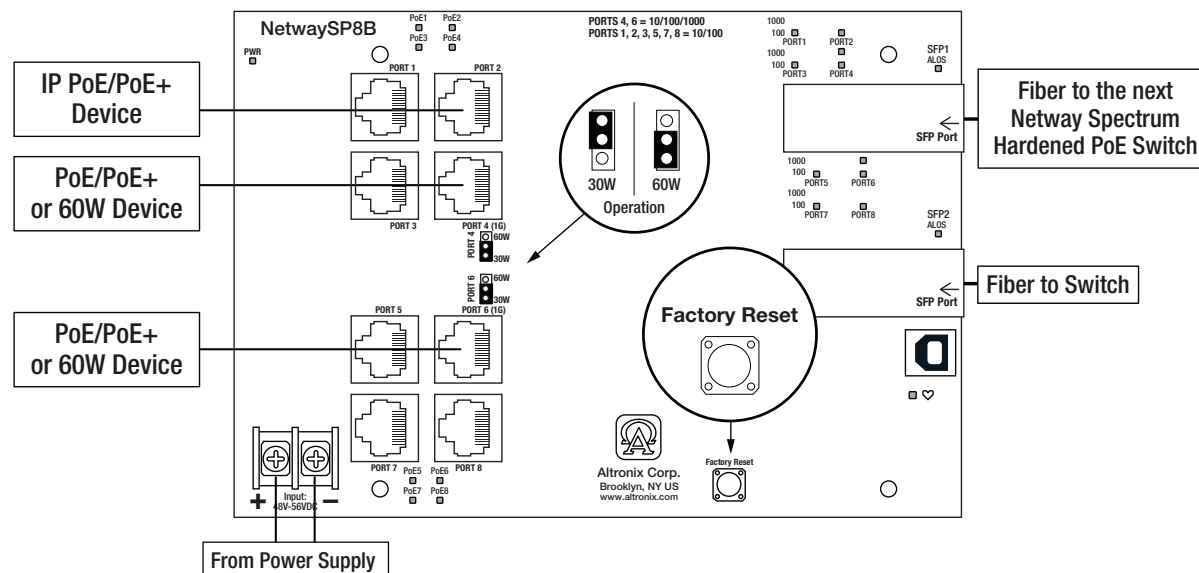
- Lifetime Warranty

Similar products

NetWaySP8WPX	Outdoor 8-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWaySP8WP	Outdoor 8-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure
NetWaySP8WPN	Outdoor 8-port PoE+ Hardened Switch only in NEMA 4/4X, IP66-11 enclosure
NetWaySP8X	Indoor 8-port PoE+ Hardened Switch in NEMA 1 Rated indoor enclosure
NetWaySP8PL	8-port PoE+ Hardened Switch with Integral Power on a Backplane

Typical Application

Specifications

Input
Voltage 48V-56V (UL Listed ITE power supply)

Power Output
Maximum Power Eight (8) PoE+ (30W) ports or two (2) 60W ports
IEEE 802.3at (30W) and
IEEE 802.3af (15W) compliant
115W total power
(supports 240W total, not evaluated by UL)
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
Dimensions (L x W x H)
Board: 7.25" x 4.875" x 1.25" (184.2mm x 123.8mm x 31.8mm)
Shipping: 13" x 10" x 6" (330.2mm x 254mm x 152.4mm)

Weight (approx.)
Product: 0.4 lb. (0.18 kg)
Shipping: 0.75 lb. (0.34 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%
Operating Altitude: -304.8 to 2,000m
Mounting hardware is included

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

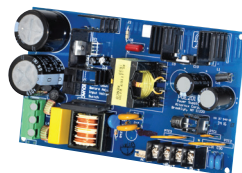P1AB2K   Single Strand SFP Module for distances up to 2km

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.

POE240 - 240W Power Supply/Charger

Provides 240W for NetWay Spectrum switches.
It also features a built-in charger for Lithium Iron Phosphate or sealed lead acid batteries.

POE360/POE367 - 360W Power Supply/Charger

Provides 360W for NetWay Spectrum switches.
It also features a built-in charger for sealed lead acid or gel type batteries.