Altronix®

Rev. 09222025

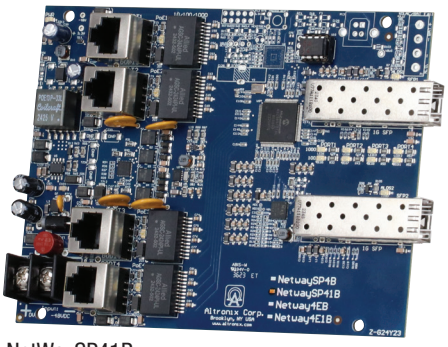
NetWaySP41B

4-port Hardened PoE Switch Board

Netway SPECTRUM

Altronix NetWaySP41B PoE+ Switch board provides two (2) 1Gb SFP (Fiber) ports and four (4) PoE+ (30W) ports. Cameras/edge devices may be located up to 100m from the unit.

For managed switch see model NetWaySP4B.



NetWaySP41B

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
- Mounting hardware is included
- CE European Conformity
- Lifetime Warranty

Similar products

NetWaySP41WPX	Outdoor 4-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWaySP41WP	Outdoor 4-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure
NetWaySP41WPN	Outdoor 4-port PoE+ Hardened Switch only in NEMA 4/4X, IP66-11 enclosure
NetWaySP41X	Indoor 4-port PoE+ Hardened Switch in NEMA 1 Rated indoor enclosure
NetWaySP41PL	4-port PoE+ Hardened Switch with Integral Power on a Backplane

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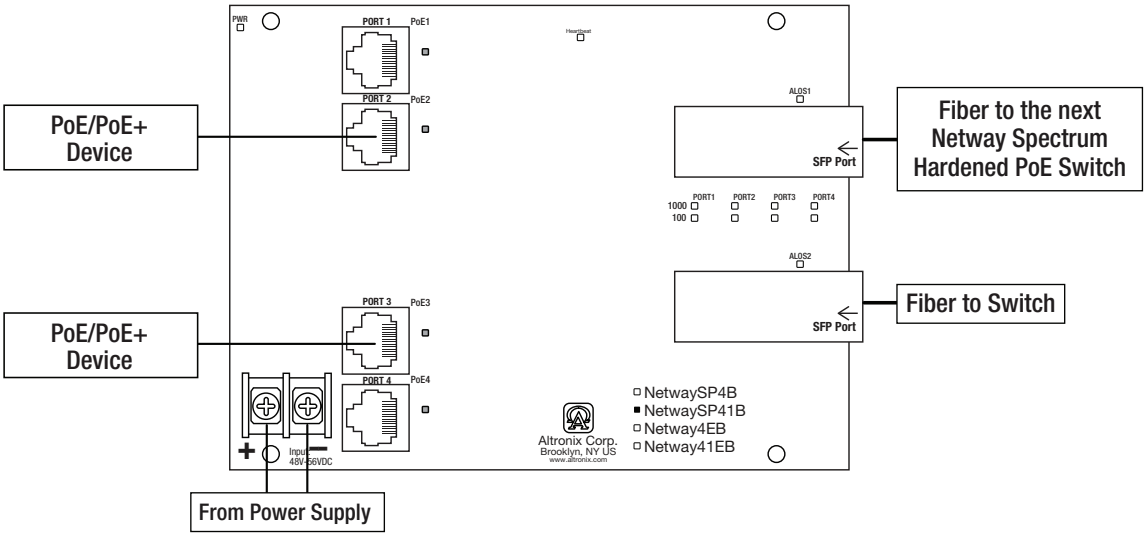
NetWaySP41B

4-port Hardened PoE Switch Board

Typical Application



Specifications

Input

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

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

Agency Listings

CE: European Conformity

Physical and Environmental

Dimensions (L x W x H)
Board: 6.5" x 4.5" x 0.625" (165.1mm x 114.3mm x 15.9mm)
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

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NetWaySP41B

4-port Hardened PoE Switch Board

Power Sourcing Equipment and Accessories (order separately)

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.

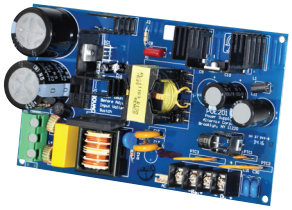
SFP Modules - Hot Pluggable Transceivers

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.

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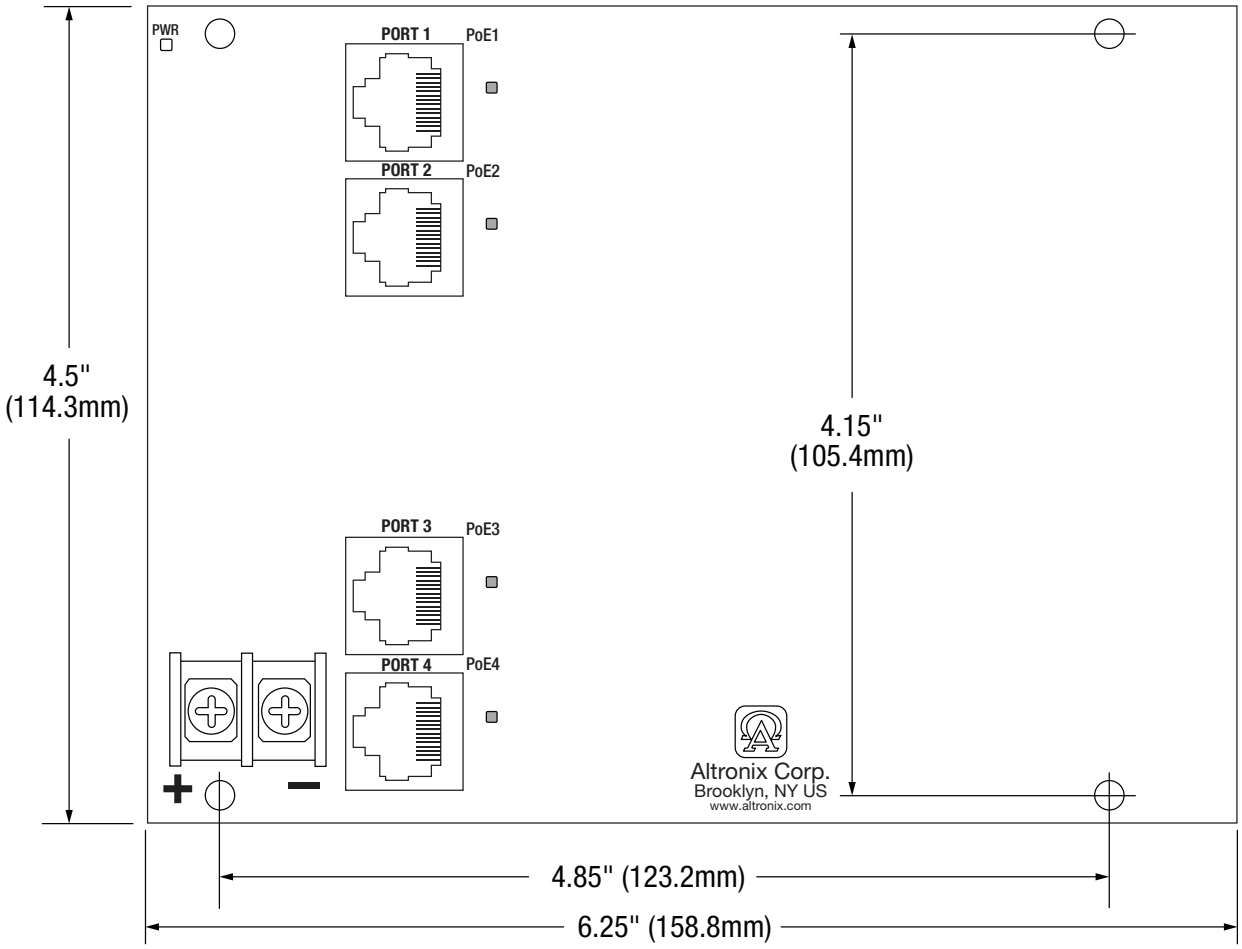
NetWaySP41B

4-port Hardened PoE Switch Board

Dimensions and Drawing

Board Dimensions (L x W x H approximate)

6.25” x 4.5” x 0.625” (158.8mm x 114.3mm x 15.9mm)

Mounting Holes’ Tolerance: +/– 0.04 in. (1mm)