NetWaySP4LWPX

4-port PoE+ Outdoor Hardened Switch with Optimized Lithium Iron Phosphate Battery Charger

Altronix NetWaySP4LWPX PoE+ Outdoor Hardened Switch provides two (2) 1Gb SFP (Fiber) ports and four (4) PoE+ (30W) ports or up to two (2) Hi-PoE (60W) ports 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. This unit is designed to support a single 12V LiFePO$_4$ (Lithium Iron Phosphate) battery for high storage and charge/discharge cycle life reliability.
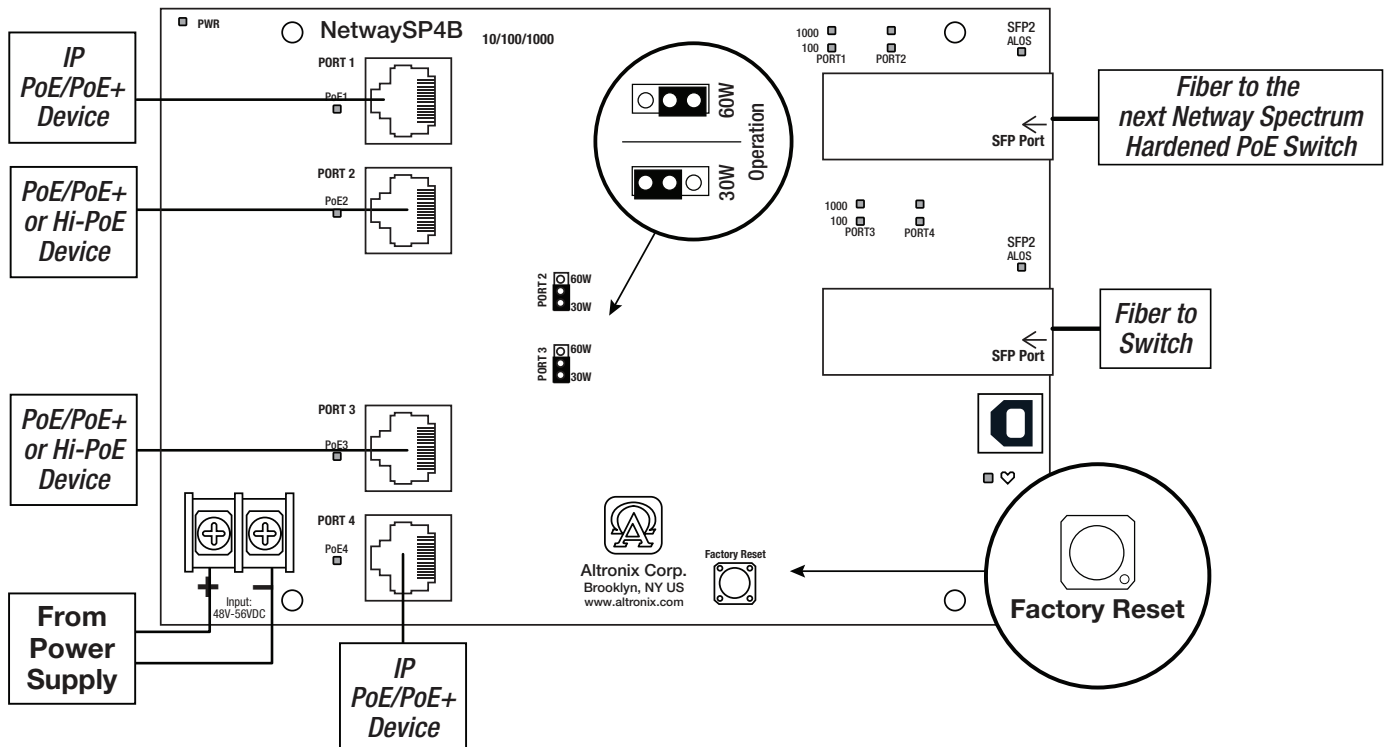
NetWaySP4LWPX

Key Features

- Two (2) Gigabit SFP ports.

- 75W total power.

- IEEE 802.3af (15W), IEEE 802.3at (30W) and IEEE802.3bt (Type 3 "4PPoE" 60W) compliant.

- PoE activity LED indicators.

- Built-in charger for 12V LiFePO$_4$ (Lithium Iron Phosphate) battery.

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

- NEMA4/4X, IP66 Rated enclosure for outdoor use.

- Enclosure accommodates one (1) LiFePO$_4$ (Lithium Iron Phosphate) battery.

Typical Application

NetWaySP4LWPX

4-port PoE+ Outdoor Hardened Switch with
Optimized Lithium Iron Phosphate Battery Charger

Specifications

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

Power Output
Maximum Power   Four (4) ports PoE+ (30W) or up to
two (2) Hi-PoE (60W) ports
IEEE 802.3at (30W) and
IEEE 802.3af (15W) compliant.
75W 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.

Back-up Battery (not included)
Type	LiFePO$_4$ (Lithium Iron Phosphate).
Failover	Upon AC loss, instantaneous.

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.

Physical and Environmental
Enclosure Dimensions (H x W x D approx.):
17.53" x 15.3" x 6.67" (445.3mm x 388.6mm x 169.4mm).
NEMA 4/4X, IP66-11 Rated enclosure for outdoor use.
Accommodates one (1) 12VDC/LiFePO$_4$ (Lithium Iron Phosphate) battery.
Product Weight / Shipping (approx.)
Product Weight:	15 lb. (6.8 kg).
Shipping Weight:	17.5 lb. (7.9 kg).

Temperature
Operating:	60W: -40ºC to 75ºC (-40ºF to 167ºF).
	75W: -40ºC to 70ºC (-40ºF to 158ºF).
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)
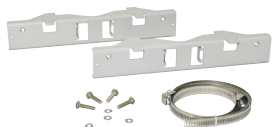
PMK2 - Pole Mount Kit
PMK2 pole mount kit is designed to simplify installation of outdoor units.
It accommodates 2"- 8"(diameter) poles.

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).

P1MM and P1SM10 -
SFP Modules
P1MM and P1SM10 are hot-pluggable SFP fiber transceiver modules and are readily usable with all Altronix Spectrum fiber optic equipment for 1G transmission rates.
The P1MM is to be used with Multi-Mode Fiber for distances up to 550m.
The P1SM10 is to be used with Single-Mode Fiber for distances up to 10km.

P1AB2K -
SFP Single-Mode Transceiver Kit
P1A2K and P1B2K are hot-pluggable bi-directional single strand SFP fiber transceiver modules and are readily usable with all
Altronix NetWay Spectrum fiber optic equipment for 1G transmission rates at distances up to 2km.

P1GCE -
SFP Copper Transceiver
P1GCE is a hot-pluggable SFP transceiver module and is readily usable with all Altronix NetWay Spectrum equipment for 1G transmission rates. The P1GCE is to be used with CAT5e or better copper ethernet for distances up to 100m.

BTL125 -
12VDC/4.5AH LiFePO$_4$ Battery.
Usable with all Altronix Spectrum fiber optic equipment with Optimized Lithium Iron Phosphate Battery Charger.