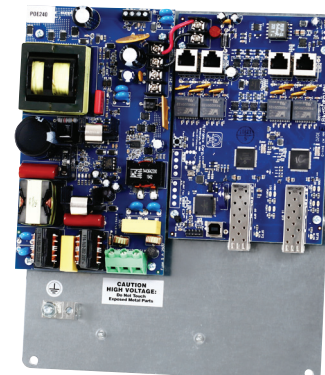# Altronix®

NetWaySP4BTPL

4-port Hardened 4PPoE (802.3bt) Switch with Integral Power on a Backplane

Netway SPECTRUM

Altronix NetWaySP4BTPL supports up to 90W per port (240W total power) for deploying the latest high-powered IP devices in remote locations. It is equipped with two (2) 1Gb SFP ports to transmit data at long distances and four (4) 802.3bt compliant Ethernet ports. NetWaySP4BTPL accommodates single/multi-mode fiber or composite cable (fiber+copper) to simultaneously deliver power and data from NetWay Spectrum head-end media converters/injectors. Embedded LINQ Technology allows to monitor, control, and report power and diagnostics from anywhere.
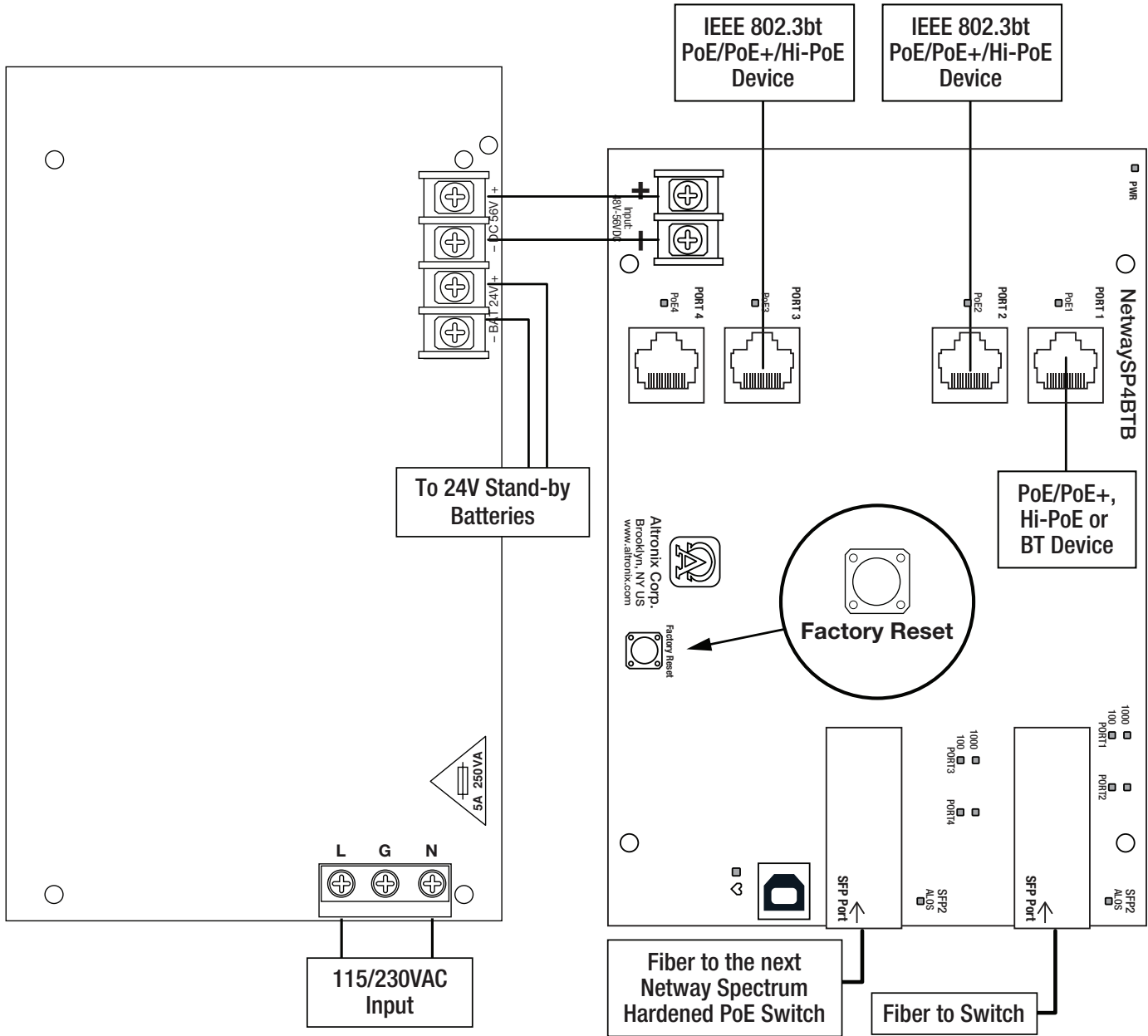
NetWaySP4BTPL

Key Features

- Four (4) 10/100/1000 Mbps Ethernet ports rated at 90W each (limited to 240W total power)

- IEEE 802.3af, 802.3at, 802.3bt compliant

- Two (2) Gigabit SFP ports

- VLAN (Virtual Local Area Networks) subnetwork allows for the grouping together of devices for improved network traffic and higher security

- Built-in charger for LiFePO$_4$ (Lithium Iron Phosphate) or sealed lead acid or gel type batteries

- CE European Conformity

- Switch and power supply are factory mounted on a backplane

- LINQ Technology:
  - Remote network management allows for camera/device reset and diagnostic monitoring
  - Provides local and/or remote access to critical information via LAN/WAN
  - Email and Windows Dashboard Alert notifications report real-time events
  - Event log tracks history

Similar products

NetWaySP4BTWPX	Outdoor 4-port Hardened 4PPoE Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWaySP4BTWP	Outdoor 4-port Hardened 4PPoE Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure
NetWaySP4BTWPN	Outdoor 4-port Hardened 4PPoE Switch in NEMA 4/4X, IP66-11 enclosure
NetWaySP4BTPX	4-port Hardened 4PPoE Switch with Integral Power in NEMA 1 Rated indoor enclosure
NetWaySP4BTB	4-port Hardened 4PPoE Switch (board only)

Typical Application

IEEE 802.3bt PoE/PoE+/Hi-PoE Device

IEEE 802.3bt PoE/PoE+/Hi-PoE Device

PWR

Input: 48V-56VDC

NetwaySP4BTB

PORT 4   PoE4
PORT 3   PoE3
PORT 2   PoE2
PORT 1   PoE1

To 24V Stand-by Batteries

PoE/PoE+, Hi-PoE or BT Device

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

Factory Reset

Factory Reset

5A 250VA

1000 100 PORT1
1000 100 PORT3
PORT4
PORT2

L G N

SFP Port
SFP2 ALOS

SFP Port
SFP2 ALOS

115/230VAC Input

Fiber to the next Netway Spectrum Hardened PoE Switch

Fiber to Switch

Altronix®

NetWaySP4BTPL
4-port Hardened 4PPoE (802.3bt) Switch with Integral Power on a Backplane

Netway SPECTRUM

Specifications

Input
Voltage	115VAC, 60Hz, 1.8A or 230VAC, 50/60Hz, 1A
Fusing	5A/250V

Power Output
Maximum Power — Four (4) PoE ports rated at 90W each, 240W total power
IEEE 802.3af (15W), IEEE 802.3at (30W), IEE 802.3bt (90W) compliant
Integral surge protection

SFP Ports:
Two (2) Gigabit SFP ports

Ethernet Ports:
Four (4) 10/100/1000 Mbps ports.
Connectivity: RJ45, auto-crossover
Wire type: 4-pair CAT5e or higher structured cable.
Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation.

Back-up Battery
Type — 24VDC charging circuit charges LiFePO$_4$ (Lithium Iron Phosphate) or sealed lead acid or gel type batteries (require separate ventilated enclosure)
Failover — Upon AC loss, instantaneous

Indicators (LED)
Individual **PoE On** LEDs for each port
Individual **IP Link status, 10/100/1000 Base-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 diagnostic monitoring
Provides local and/or remote access to critical information via LAN/WAN
Email and Windows Dashboard Alert notifications report real-time events
Event log tracks history

Agency Listings
CE	European Conformity

Physical and Environmental
Backplane Dimensions (H x W x D approx.):
10.75" x 8.875" x 2.375 (273.1mm x 225.4mm x 60.3mm)

Product Weight / Shipping (approx.)
Product Weight:	2.6 lb. (1.18 kg)
Shipping Weight:	4.0 lb. (1.81kg)

Temperature
Operating (240W):	-30ºC to 55ºC (-22ºF to 131ºF)
Operating (180W):	-30ºC to 65ºC (-22ºF to 149ºF)
Operating (150W):	-30ºC to 75ºC (-22ºF to 167ºF)
Storage	-30ºC to 85ºC (-22ºF to 185ºF)
Relative Humidity	85% +/-5%
BTU/Hr (approx.):	61 BTU/Hr.
Operating Altitude:	-304.8 to 2,000m

Accessories (order separately)

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

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).