# Altronix®

NetWay4EPL
4-port Hardened PoE Switch with Integral Power on a Backplane

NetWay SPECTRUM®

Altronix NetWay4EPL PoE+ Switch provides a 1Gb SFP port and four (4) PoE+ (30W) ports. 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.

For unmanaged switch see model NetWay41EPL.
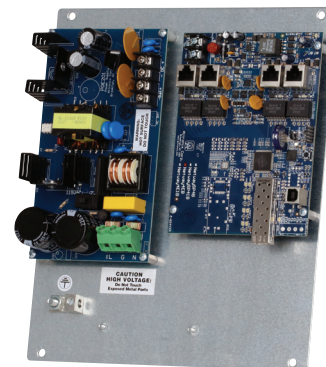
NetWay4EPL

Key Features

- Four (4) 10/100/1000 Mbps PoE/PoE+ (up to 30W) ports or

- IEEE 802.3af (15W) and IEEE 802.3at (30W) compliant

- One (1) Gigabit (Fiber) SFP port

- PoE activity LED indicators

- Built-in charger for sealed lead acid or gel type batteries

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

- CE European Conformity

- Lifetime Warranty

Similar products

NetWay4EWPX	Outdoor 4-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWay4EWP	Outdoor 4-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure
NetWay4EWPN	Outdoor 4-port PoE+ Hardened Switch only in NEMA 4/4X, IP66-11 enclosure
NetWay4EX	Indoor 4-port PoE+ Hardened Switch in NEMA 1 Rated indoor enclosure
NetWay4EB	4-port PoE+ Hardened Switch (board only)

Specifications

4-port PoE+ Hardened Switch (NetWay4EB):

Input

Voltage	56VDC from POE201

Power Output

Maximum Power	Four (4) 10/100/1000 Mbps PoE/PoE+ (up to 30W) ports IEEE 802.3at (30W) and IEEE 802.3af (15W) compliant 120W total power Integral surge protection
Fiber Port:	One (1) Gigabit SFP port
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

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

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

Power Supply/Charger (POE201):

Input

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

Output

Voltage	56VDC/120W
Current	2.2A continuous supply current
Maximum Power	120W total power Integral surge protection

Battery Charging

Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous
Charging Circuit	48VDC, 0.75A
Batteries are sold separately	

NetWay4EPL:

Agency Listings

UL/cUL	UL60950-1 (Information Technology Equipment) UL60950-22 (Information Technology Equipment to be installed Outdoors)
CE	European Conformity

Physical and Environmental

16 gauge stainless steel backplane with mounting holes.

Dimensions (H x W x D)

Backplane:	10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm)
Shipping:	12" x 10" x 8" (304.8mm x 254mm x 203.2mm)

Weight (approx.)

Product:	2.6 lb. (1.18 kg)
Shipping:	4.0 lb. (1.81 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%
BTU/Hr. (approx.)	61 BTU/Hr.
Operating Altitude:	– 304.8 to 2,000m

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4-port Hardened PoE Switch with Integral Power on a Backplane

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Typical Application

IP Device (802.3af / 802.3at)

IP Device (802.3af / 802.3at)

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IP Device (802.3af / 802.3at)

PWR

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

+ — Input 48V-56VDC

Master Reset

Master Reset
Heartbeat

ALOS1

SFP Port

PORT1 PORT2 PORT3 PORT4
1000
100

ALOS2

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

☐ NetwaySP4B
☐ NetwaySP41B
■ Netway4EB
☐ Netway41EB

From Power Supply

Fiber to Switch
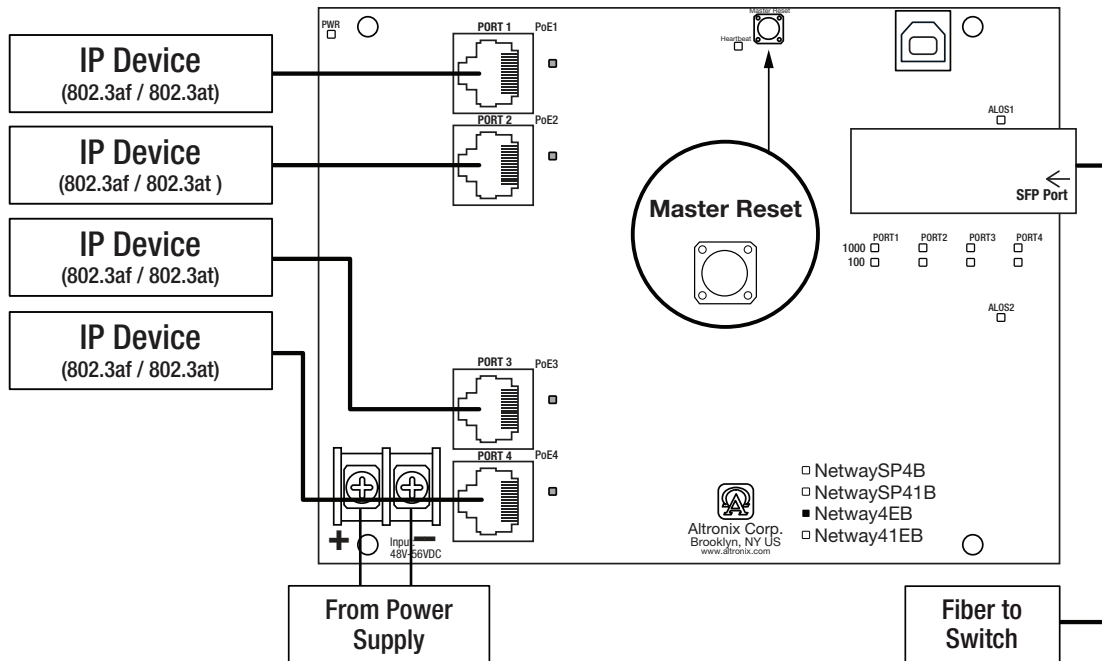
Accessories (order separately)

SFP Modules - Hot Pluggable Transceivers
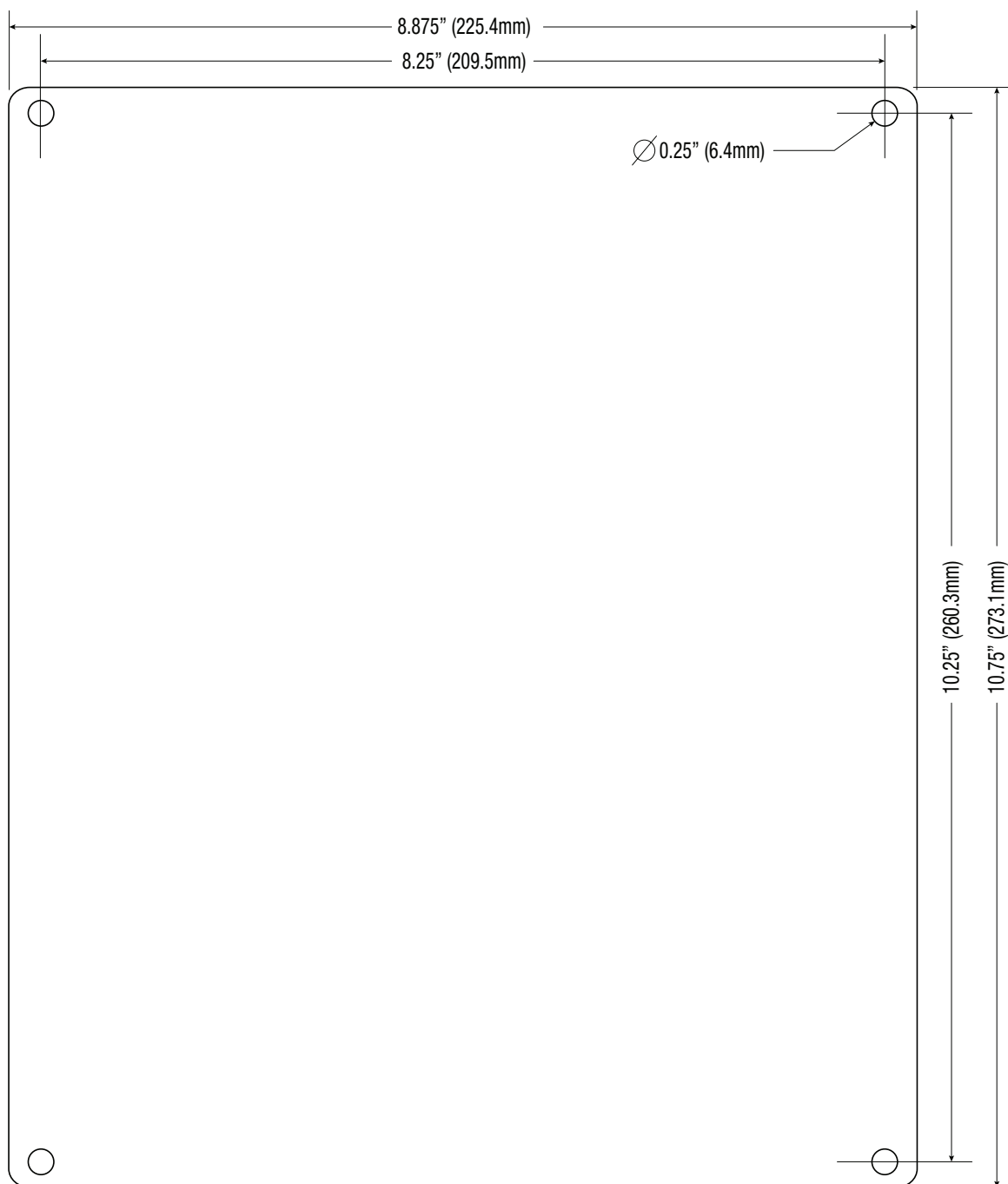|	
P1MM	Multi-Mode SFP Module for distances up to 550m
P1SM10	Single-Mode SFP Module for distances up to 10km
P1AB2K	Single Strand SFP Module for distances up to 2km
P1GCE	Copper SFP Module for distances up to 100m

NetWaySP1A
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).

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4-port Hardened PoE Switch with Integral Power on a Backplane

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Dimensions and Drawing

Dimensions (H x W x D approximate)
10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm)

8.875" (225.4mm)

8.25" (209.5mm)

⌀0.25" (6.4mm)

10.25" (260.3mm)

10.75" (273.1mm)