Altronix®

Rev. 12012025

NetWaySP2BTWPN

802.3bt Media Converter/Injector

Netway SPECTRUM

Altronix NetWaySP2BTWPN Outdoor 802.3bt media converter/injector provides two (2) 802.3bt (4PPoE) ports up to 180W total and accommodates Fiber (1000Base-X/SX/LX) or structured cable to transmit data. Unit can be deployed with structured cable, conventional single/multimode fiber or composite cable (fiber + copper combined).
Cameras/edge devices may be located up to 100m from the unit.

NetWaySP2BTWPN

Specifications

Input
48-56VDC @ 3.5A (180W)

Fiber Port
One (1) 1Gb SFP port

PoE/Data Ports
Two (2) ports rated up to 90W max. each
IEEE 802.3af, 802.3at and 802.3bt compliant
Connectivity: RJ45, auto-crossover
Wire type: 4-pair CAT5e
Distance: up to 100m
Speed: 10/100/1000 Mbps

Indicators (LED)

Yellow/Green RJ45 LEDs:	Yellow: 10/100 Green: 10/100/1000
Green PoE LED:	PoE present
Green SFP (Fiber) LED:	SFP connection

Features
Auto detection and protection of legacy non-PoE cameras/devices

Agency Listings

CE	European Conformity

Physical and Environmental

Dimensions (W x L x H)
Enclosure: 9.5" x 7.32" x 4.92" (241.3mm x 185.9mm x 125mm)
Shipping: 13" x 10" x 7" (330.2mm x 254mm x 177.8mm)
NEMA 4/4X, IP66-11 Rated enclosure for outdoor use

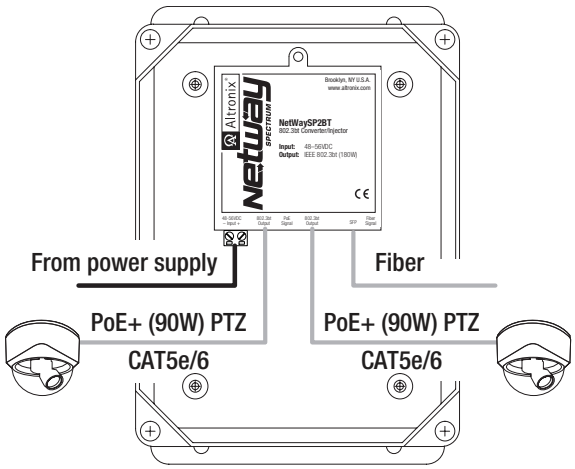
Weight (approx.)

Product:	10.5 lb. (4.76 kg)
Shipping:	11.9 lb. (5.4 kg)

Temperature

Operating:	
60W:	– 40ºC to 75ºC (– 40ºF to 167ºF)
80W:	– 40ºC to 70ºC (– 40ºF to 158ºF)
90W:	– 40ºC to 60ºC (– 40ºF to 140ºF)
Storage:	– 40ºC to 85ºC (– 40ºF to 185ºF)
Relative Humidity	85% +/– 5%
Operating Altitude	– 304.8 to 2,000m

Typical Application



Lifetime Warranty

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA
phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

NetWaySP2BTWPN

802.3bt Media Converter/Injector

Similar products

NetWaySP2BTWPX	Outdoor 802.3bt media converter/injector with integral power in NEMA 4/4X IP66-11 enclosure which accommodates stand-by batteries.
NetWaySP2BTWP	Outdoor 802.3bt media converter/injector with integral power in NEMA 4/4X IP66-11 enclosure.
NetWaySP2BT	802.3bt Media converter/injector in compact insulated housing

Power Sourcing Equipment and Accessories (order separately)

4-port Ethernet over Fiber Media Converters for Applications Utilizing Composite or Conventional Cabling

(front)

(rear)

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.

NetWaySP4PX - **Ethernet to Fiber Media Converter with Integral Power Supply/Charger**
4-port Ethernet to Fiber Media Converter for applications utilizing composite (power + copper) or conventional cabling. Unit provides power up to 120W per port (480W total power). Four (4) 1Gb SFP ports.

Conventional Power Sourcing

WayPoint562

WayPoint562 - **High Current Outdoor Power Supply/Charger**
56VDC/120W output.
Filtered and electronically regulated output.
Short circuit and thermal overload protection.

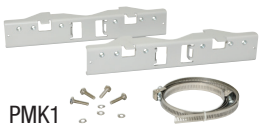
PoE201

PoE201 - **Power Supply/Charger Board**
56VDC/120W output.
Filtered and electronically regulated output.
Short circuit and thermal overload protection.

VertiLine563

Vertiline563 - **EIA 19" 1U Rack Mountable Dual Independent Power Supply/Charger**
56VDC @ 3A each output.Filtered and electronically regulated output.
Short circuit and thermal overload protection.

Accessories (order separately)



PMK1

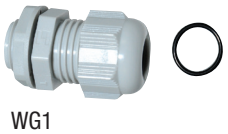
PMK1 - Pole Mount Kit
PMK2 pole mount kit is designed to simplify installation of outdoor units.
It accommodates 2"- 8"(diameter) poles.

Lock1WP

LOCK1WP - Pad Lock for Altronix Outdoor Enclosures
Altronix Lock1WP is a pad lock to secure the latches on Altronix outdoor enclosures.
Includes a single pad lock and two (2) keys.

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



WG1

WG1 - NEMA Rated Wire Gland Inlet
Altronix WG1 facilitates wiring for all Altronix outdoor enclosures.

Lifetime Warranty

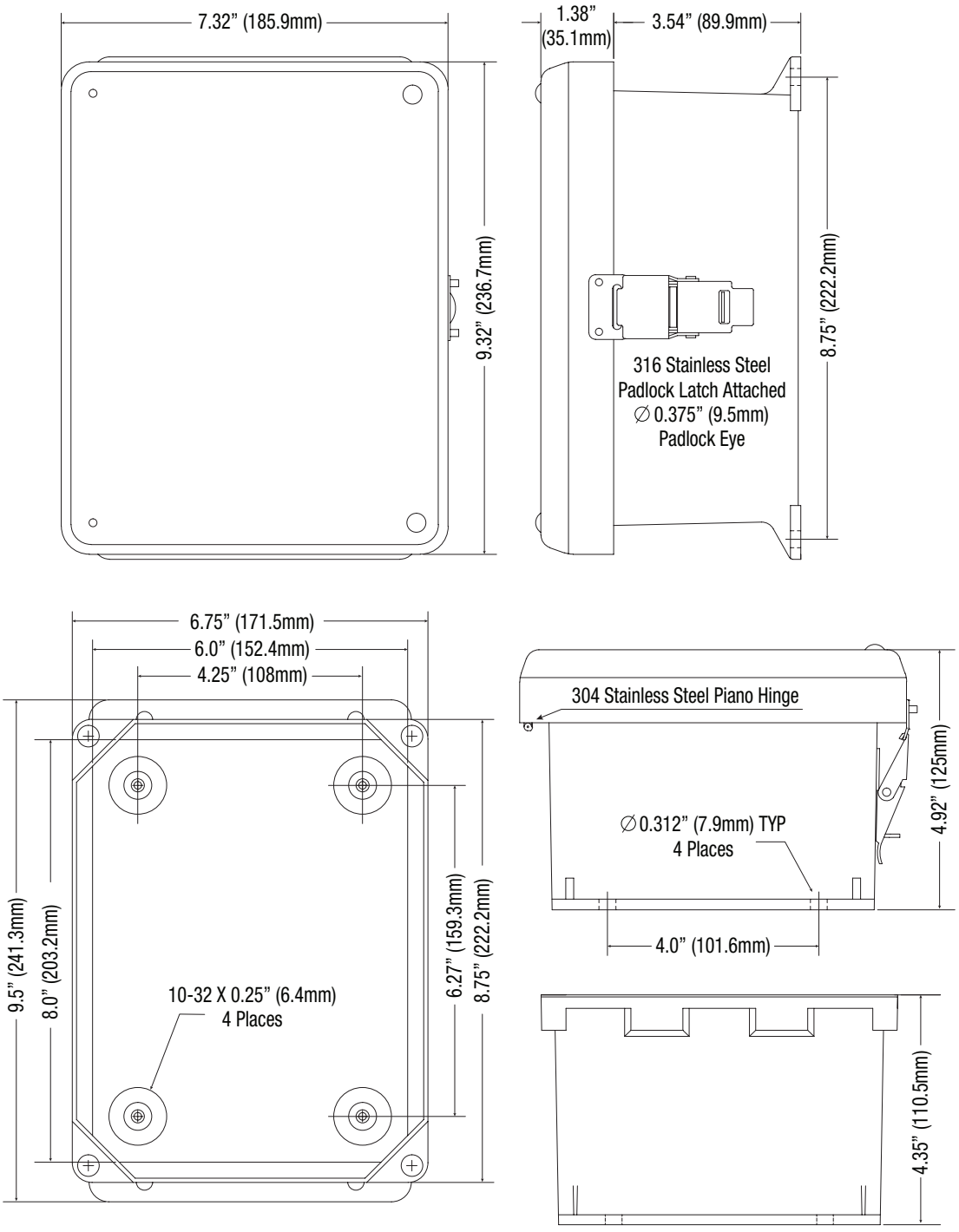
Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA
phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

Altronix®

NetWaySP2BTWPN

802.3bt Media Converter/Injector

Dimensions and Drawing

Dimensions (H x W x D approximate)

9.5” x 7.32” x 4.92” (241.3mm x 185.9mm x 125mm)