Altronix NETWAY1BT Single Port 802.3bt 90W Injector Installation Guide

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Altronix NETWAY1BT Single Port 802.3bt 90W Injector

Overview

Altronix NetWay1BT Single Port Midspan Injector provides 802.3bt (90W) power and passes data for PoE-compliant devices. PoE device may be located up to 100m from the unit.

Specifications

Agency Listings:

- CE European Conformity.

Input:

- 115VAC, 60Hz, 1.2A or 230VAC, 50/60Hz, 0.75A.

Power Output:

- Maximum power: 90W
- Power provided using all 4 pairs on structured cable.
- IEEE 802.3af (15W), IEEE 802.3at (30W) or 802.3bt (90W) compliant.
- Aux. Class 2 power-limited output rated @ 56VDC/90W.
- Integral surge protection.

Ethernet:

- **Connectivity:** RJ45.
- **Wire type:** 4-pair Cat-5 or higher structured cable.

- **Distance:** up to 100m.
- **Speed:** 10/100/1000Mbps, half/full duplex, auto negotiation.

Environmental:

- Operating Temperature:
  30W: – 30ºC to 75ºC (– 22ºF to 167ºF). 60W: – 30ºC to 70ºC (– 22ºF to 158ºF). 90W: – 30ºC to 55ºC (– 22ºF to 131ºF).
  Storage Temperature:
  - – 30ºC to 85ºC (– 22ºF to 185ºF).
- Humidity: 20 to 85%, non-condensing.

Applications:

- Provides PoE/PoE+ and Hi-PoE for cameras/devices.

Mechanical:

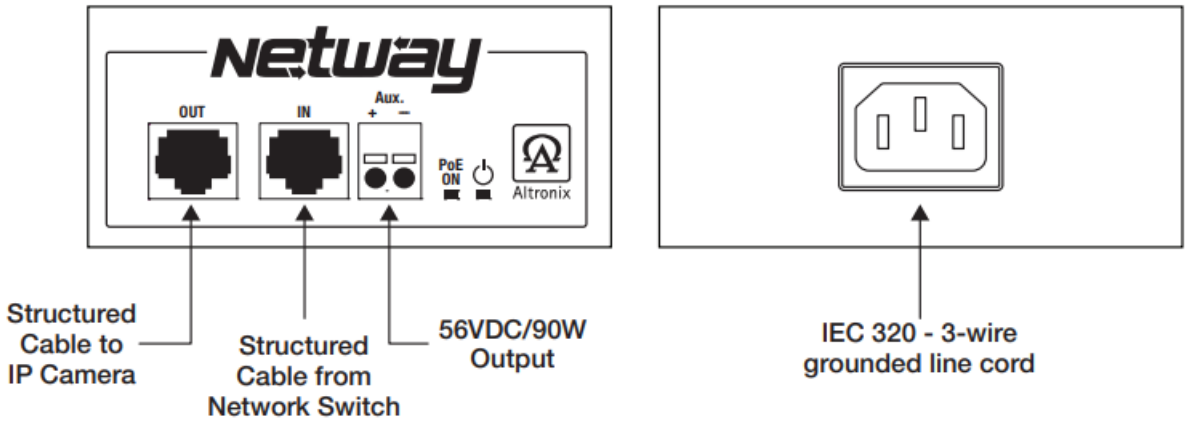
- Unit can be shelf mounted.
- Enclosure Dimensions (H x W x D approx.): 1.7” x 4.1” x 7.2” (44mm x 105mm x 183mm).
- Product weight (approx.): 2.2 lb. (1.0 kg).
- Shipping weight (approx.): 3.2 lb. (1.45 kg).

Installation Instructions

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Wiring should be UL Listed and/or Recognized wire suitable for the application. NetWay1BT is intended for indoor use only.

1. Place NetWay1BT in the desired location on table or desktop only.
2. Plug the grounded AC line cord (included) into the IEC 320 connector of the NetWay1BT unit. Plug the unit into a reliable earth-grounded socket. When using multiple units the sum of the individual nameplate ratings should not exceed the supply circuit rating. Do not connect to a receptacle controlled by a switch.
3. Connect the structured cable from UL Listed ethernet switch or video server to RJ45 jack marked [IN] on NetWay1BT (Fig. 1).
4. Connect the structured cable from PoE device to RJ45 jack marked [OUT] on NetWay1BT (Fig. 1).
5. PoE ON LED will illuminate indicating PoE device is turned on (Fig. 1).
6. Connect the device to be powered to terminals marked [+ Aux. –].

Note: Do not exceed 90W.



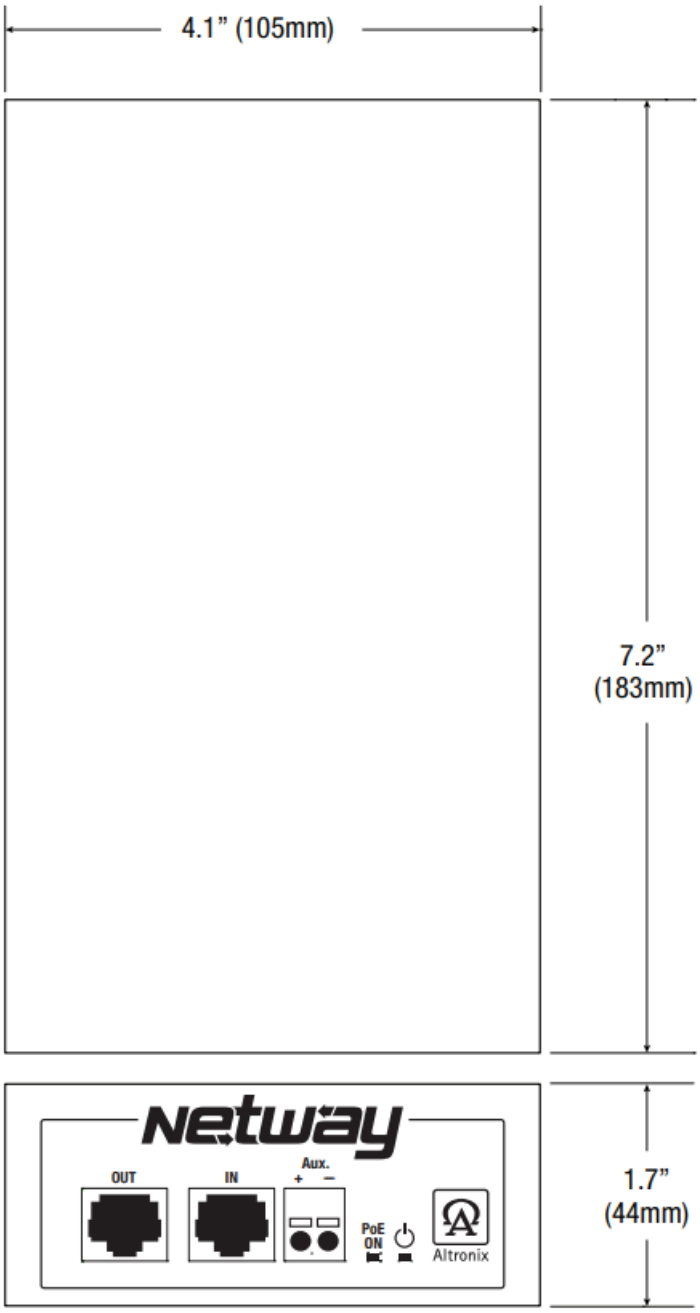
Technical Specifications

Parameter	Description
No. of Ports	One (1) IEEE 802.3at (30W), IEEE 802.3af (15W) and 802.3bt (90W) compliant
Input Power Requirements	115VAC, 60Hz, 1.2A or 230VAC, 50/60Hz, 0.75A.
Indicators	Port Status and Power LED.
+ Aux. –	Class 2 power-limited output rated @ 56VDC/90W.
Environmental Conditions	Operating Temperature: 30W: – 30ºC to 75ºC (– 22ºF to 167ºF). 60W: – 30ºC to 70ºC (– 22ºF to 158ºF). 90W: – 30ºC to 55ºC (– 22ºF to 131ºF). Relative humidity: 85%, +/ – 5%, non-condensing. Storage Temperature: – 20º to 70ºC (– 4º to 158ºF). Operating Altitude: – 304.8m to 609.6m.
Regulatory Compliance	CE European Conformity.

Dimensions

NetWay1BT Chassis Mechanical Drawing and Dimensions

(H x W x D approx.):
1.7” x 4.1” x 7.2” (44mm x 105mm x 183mm)



Altronix is not responsible for any typographical errors.

140 58th Street, Brooklyn, New York 11220 USA | 718-567-8181 | fax: 718-567-9056 website: www.altronix.com | e-mail: info@altronix.com | Lifetime Warranty IINetWay1BT H19U.

Documents / Resources

	[Altronix NETWAY1BT Single Port 802.3bt 90W Injector](#) [pdf] Installation Guide NETWAY1BT, Single Port 802.3bt 90W Injector, NETWAY1BT Single Port 802.3bt 90W Injector, 802.3bt 90W Injector, 90W Injector, Injector

References

- Altronix Home

Manuals+,