



NetWay5A

5-Port Hardened Switch



Installation Guide

Overview:

Altronix Netway5A is a space-saving hardened switch board that mounts easily inside of Altronix enclosures, improving installation efficiency. It is an ideal solution in all Maximal and Trove series products, allowing for the connection of up to 4 IP devices within the enclosure – utilizing a single Ethernet cable going to the headend.

Features:

Input:

- PoE (IEEE 802.3at standard midspan/endspan), or 12VDC or 24VDC from a UL Listed power source.

Output:

- Five (5) data ports.

Ethernet:

- Five (5) 10/100 Mbps ports.
- Connectivity: RJ45, auto-crossover.
- Wire type: 4-pair CAT5e or higher structured cable.
- Distance: up to 100m.
- Speed: 10/100 Mbps, half/full duplex, auto negotiation.

LED Indicators:

- Individual IP Link status, 10/100Base-T/active LEDs for each port.

Environmental:

- **Operating Ambient Temperature:**
– 30°C to 70°C (– 22°F to 158°F).
- **Storage Temperature:**
– 40°C to 85°C (– 40°F to 185°F).
- Humidity: 20 to 85%, non-condensing.
- Operating Altitude: -304.8 to 2,000m.

Applications:

- Allows for the networking of multiple remote devices without the need for running multiple cables from the main switch/server.

Mechanical:

- Dimensions (L x W x H approx.):
5.25" x 3.25" x 1" (133.4mm x 82.6mm x 25.4mm).

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. NetWay5A is not intended to be connected to outside plant leads and should be installed indoors within the protected premises.

1. Mount NetWay5A in the desired location/enclosure (mounting hardware included).

2. Connect NetWay5A to power source and Ethernet devices:

NetWay5A can be powered either by a UL Listed 12/24VDC power source, e.g. Altronix eFlow power supply/charger or by IEEE 802.3at compatible PoE source. If it is powered by PoE, the structured cable from headend must be connected to RJ45 jack marked [Port 1 PoE Input] and Ports 2 through 5 are used for data transmission. If 12/24VDC power source is connected, it is automatically recognized by NetWay5A. PoE, even if present, is not used and any Port can be used for data transmission.

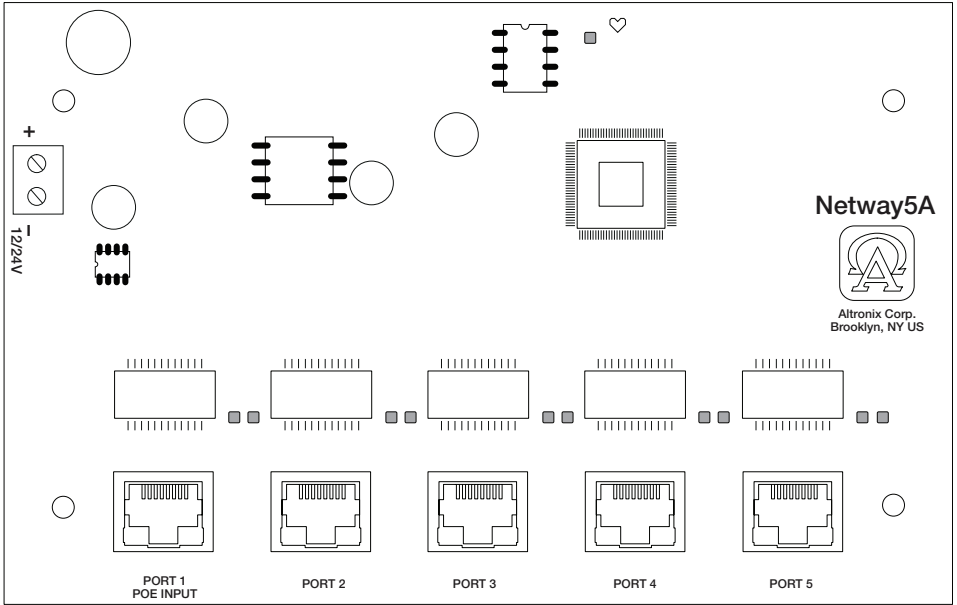
Using PoE as a Power Source:

- a. Connect structured cable from ethernet headend device to RJ45 jack marked [Port 1 PoE Input] (*Fig. 1, pg. 2*).
- b. Connect Access Control boards, Altronix LINQ units or other IP devices to RJ45 jacks marked [Port 2] through [Port 5] (*Fig. 1, pg. 2*). Refer to the corresponding Installation Guides for details.

Using UL Listed 12/24VDC Power Source:

- a. Connect a UL Listed power source to the [+12/24V –] terminals carefully observing polarity (*Fig. 1, pg. 2*).
- b. Connect structured cable from ethernet headend device to any RJ45 jack (*Fig. 1, pg. 2*).
- c. Connect Access Control boards, Altronix LINQ units or other IP devices to the remaining RJ45 jacks (*Fig. 1, pg. 2*). Refer to the corresponding Installation Guides for details.

Fig. 1

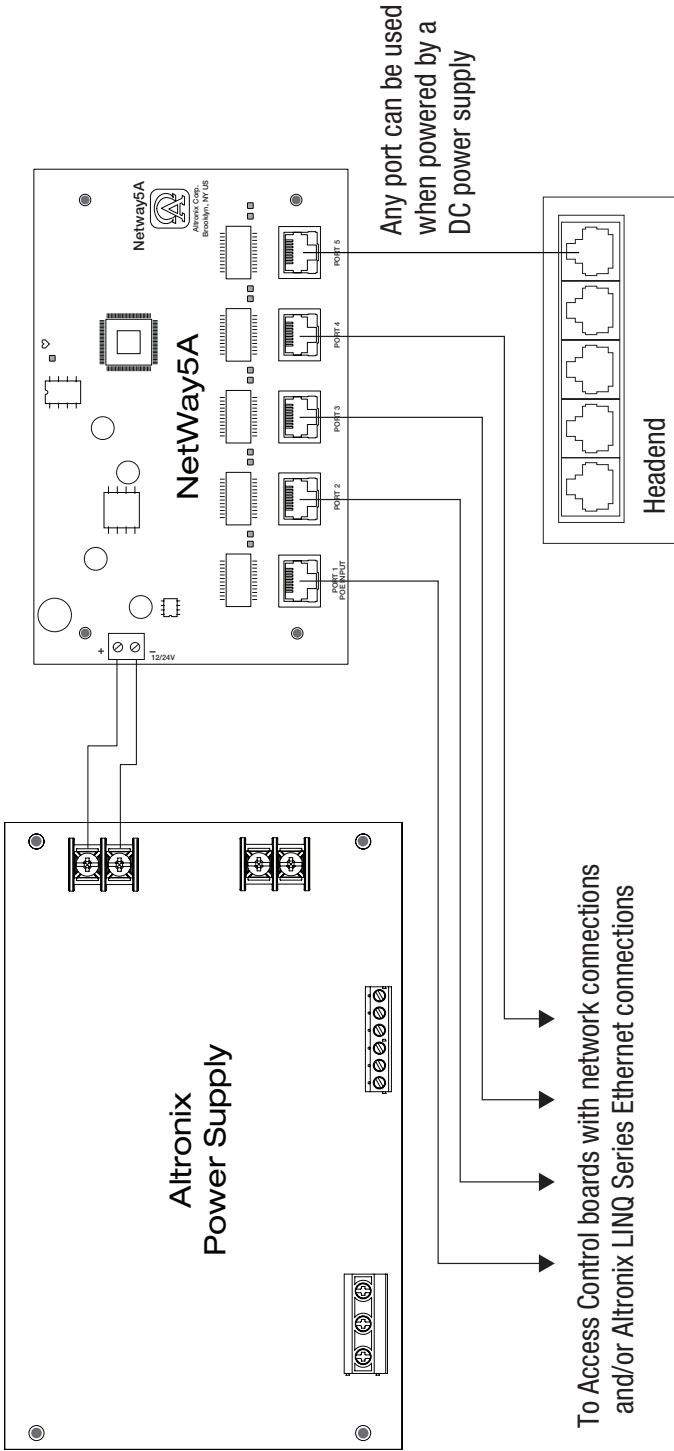


Technical Specifications:

Parameter	Description
Input Power Requirements	PoE (53.5V), current draw: 1.8W (IEEE 802.3at standard midspan/endspan), 12VDC, current draw: 150mA or 24VDC, current draw: 75mA from a UL Listed power source.
Output	Five (5) data ports.
Indicators	Individual IP Link status , 10/100Base-T/active LEDs for each port.
Environmental Conditions	Operating Ambient Temperature: – 30°C to 70°C (– 22°F to 158°F). Storage Temperature: – 40°C to 85°C (– 40°F to 185°F). Humidity: 20 to 85%, non-condensing. Operating Altitude: – 304.8 to 2,000m.
Weights (approx.)	Product: 0.25 lb. (0.11 kg) Shipping: 0.75 lb. (0.34 kg).

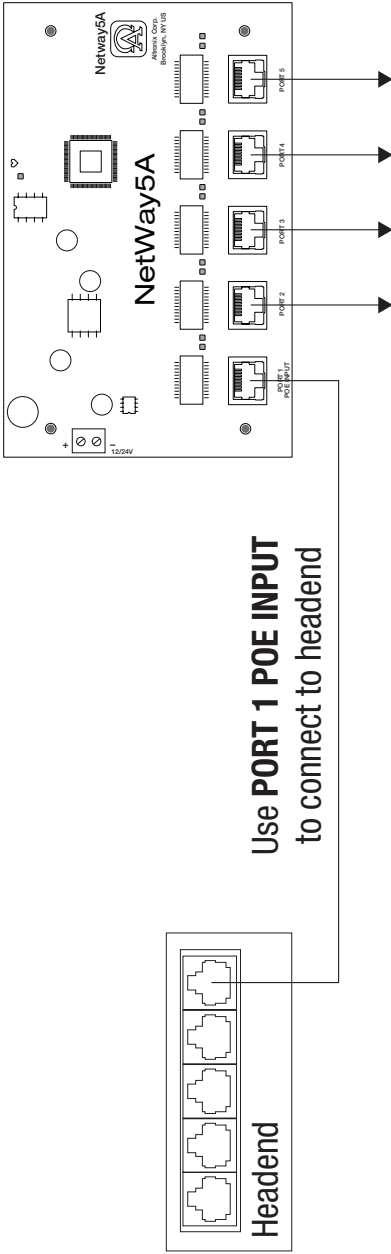
Typical Application:

Fig. 2 - NetWay5A Powered by 12/24VDC Power Supply



Typical Application:

Fig. 3 - NetWay5A Powered by PoE from Headend Equipment.



Use **PORT 1 POE INPUT**
to connect to headend

To Access Control boards with
network connections and/or
Altronix LINQ Series Ethernet connections

Altronix is not responsible for any typographical errors.

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