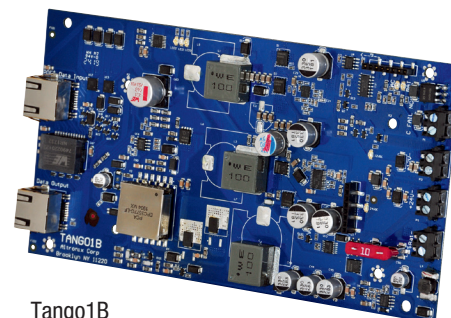


Tango1B

PoE Driven Power Supply with Lithium Battery Backup



Altronix Tango1B UL Listed PoE Driven Power Supply converts an IEEE802.3bt 4PPoE input into a regulated 24VDC and/or 12VDC output up to 72W. Ideal for access installations, it eliminates the need for high voltage power supply inside of an enclosure. The Tango 8-pin connector allows for stacking with compatible Altronix sub-assemblies such as ACMS8, LINQ8ACM and PDS8 - saving valuable enclosure space.



Tango1B

Specifications

Ethernet Input

- 802.3bt PoE up to 90W or
- 802.3at up to 30W or 802.3af up to 15W
- CAT-6 or higher cable is recommended for optimum performance

Power Output

When used without battery backup:

- 12VDC: up to 5A regulated, 24VDC: up to 3A regulated

When used with 12V lead acid battery:

- 12VDC up to 5A Special application (9.75-12V),
- 24VDC up to 2.7A regulated

When used with 12.8V LiFePO4 battery (not evaluated by UL):

- 12VDC up to 5A regulated, 24VDC up to 2.7A regulated

Ethernet Output

- Pass-through Ethernet Port (data only)

Battery Charging

- Type Lead acid or LiFePO₄ (lithium iron phosphate)
- Failover Upon AC loss, instantaneous
- Unique technology allows for single battery to backup 12VDC and/or 24VDC systems
- Batteries are sold separately

Supervision

- Loss of PoE Input
- Battery Supervision

Indicators (LED)

- | | |
|-------------|--------------------------------------|
| Input | Indicates input voltage is present |
| Output | Indicates normal operating condition |
| PoE Type | PoE Class Indicator |
| Supervision | PoE Fail or BAT Fail |

Agency Listings

- UL 294 7th Edition: Access Control System Units

Physical and Environmental

Dimensions (L x W x H)

- Board: 7.625" x 4.125" x 1.25" (193.7 mm x 104.8 mm x 32 mm)
- Shipping: 10" x 8" x 4" (254mm x 203.2mm x 101.6mm)

Weight (approx.)

- | | |
|------------------|--------------------|
| Product Weight: | 0.7 lb. (0.32 kg) |
| Shipping Weight: | 0.95 lb. (0.43 kg) |

Temperature

- | | |
|------------|---------------------------------|
| Operating: | 0°C to 49°C (32°F to 120°F) |
| Storage: | - 20°C to 70°C (- 4°F to 158°F) |

Relative Humidity

- | | |
|-------------------|------------|
| BTU/Hr. (approx.) | 85% +/- 5% |
| | 54 BTU/Hr. |

Accessories

NetWay1BT – 802.3bt (4PPoE) Midspan/Injector

- Single port midspan/injector delivers up to 90W max

NetWay4BT – 802.3bt Midspan

- 4-Port midspan/injector delivers up to 90W per por (480W max)

NetWay8BT – 802.3bt Midspan

- 8-Port midspan/injector delivers up to 90W per por (480W max)

PDS8(CB) - Dual Input Power Distribution Modules

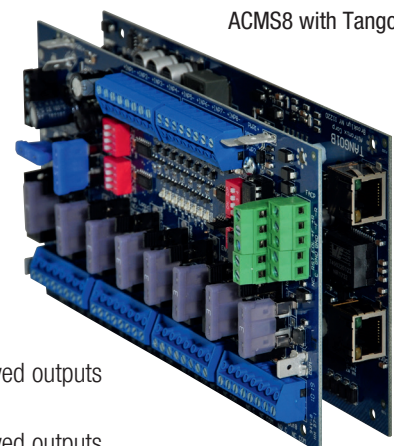
- 12VDC and/or 24VDC is distributed over a total of eight (8) fuse or PTC protected selectable outputs

ACMS8(CB) - Dual Input Access Power Controllers

- Power is distributed over a total of eight (8) fuse or PTC protected Fail-Safe and/or Fail-Secured relayed outputs

LINQ8ACM(CB) - Dual Input Network Access Power Controllers

- Power is distributed over a total of eight (8) fuse or PTC protected Fail-Safe and/or Fail-Secured relayed outputs
- Control, monitor and report power/diagnostics from anywhere over the network



ACMS8 with Tango

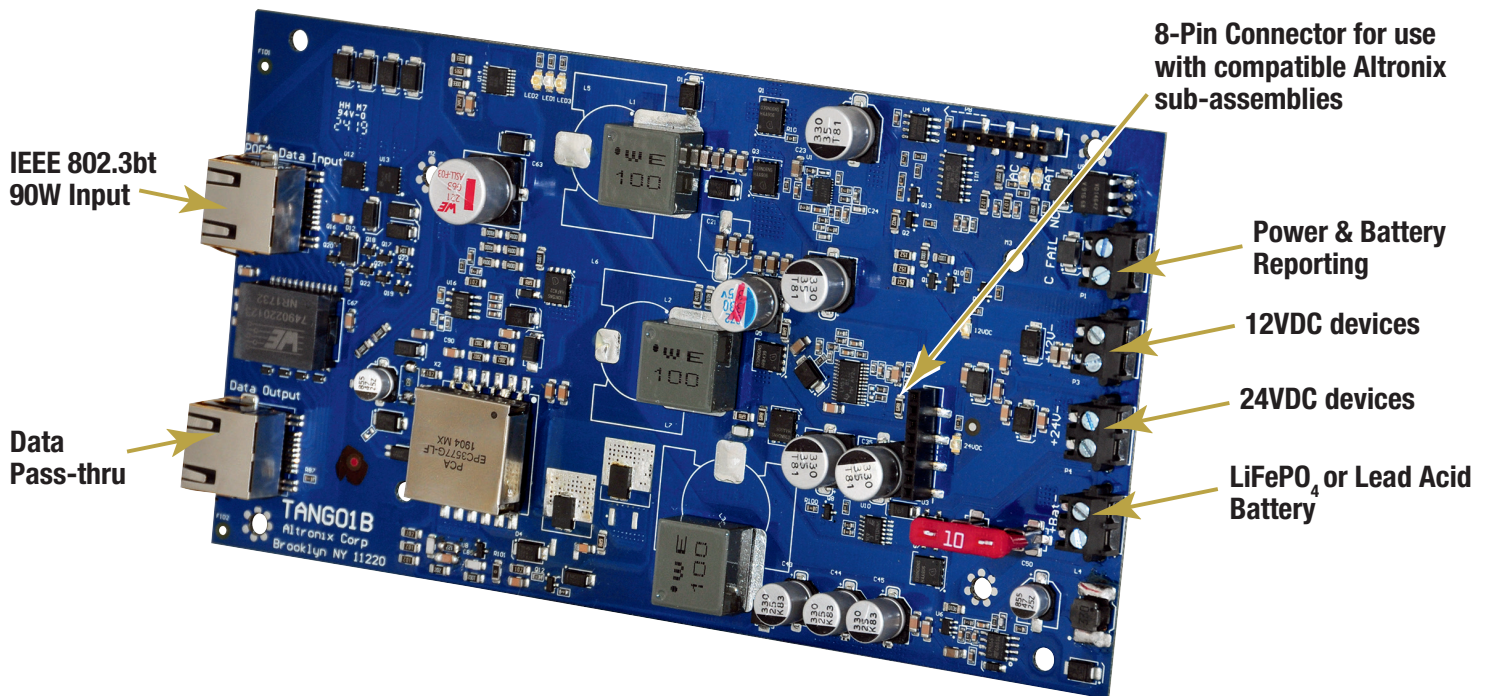
Lifetime Warranty

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

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Altronix® TANGO

Revolutionizing the Power of Access Control



TANGO1B

PoE Driven Power Supply with Lithium Battery Backup:

- Utilizes 4PPoE (802.3bt) to simultaneously deliver 12VDC & 24VDC for powering access control and security devices
- Built-in Lithium Iron Phosphate (LiFePO₄) battery charger for optimized power backup
- Designed to stack with Altronix sub-assemblies, saving valuable enclosure space
- Operates with midspan/injectors such as Altronix NetWay1BT, NetWay4BT or NetWay8BT
- Eliminates the cost of a licensed electrician
- Lifetime warranty



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Lifetime Warranty

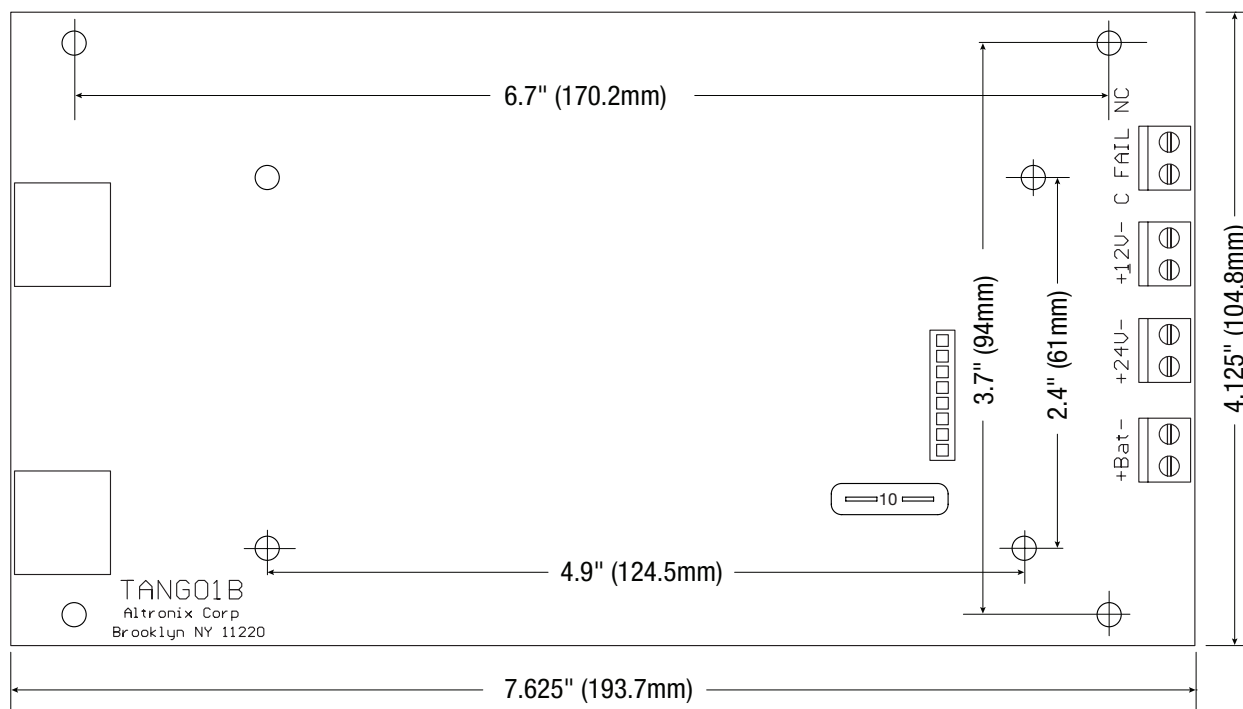
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Dimensions and Drawing

Board Dimensions (L x W x H approximate)

7.625" x 4.125" x 1.25" (193.7 mm x 104.8 mm x 32 mm)

Mounting Holes' Tolerance: +/- 0.04 in. (1mm)



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