

# T1MKT4SADQ (Kit)

Access and Power Integration Solution for Mercury



Altronix T1MKT4SADQ is a 4-door access and power integration kit which includes Altronix PoE-driven power supply/charger and eight (8) PTC protected output dual voltage networked access control module. This kit also accommodates various combinations of Mercury\* boards for up to four (4) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

**\*Also compatible with these authentic Mercury partners:**

AccessNsite, Avigilon, BadgePass, BluBox, Feenics, Genetec, Identocard, IMRON, Johnson Controls, Kastle, Keri Systems, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt



T1MKT4SADQ

*Mercury modules are not included*

## Key Features

- 12VDC or 24VDC PoE-driven power supply/charger
- Accommodates the following Mercury controllers: LP1501, LP1502, LP2500, LP4502, MR16IN, MR16OUT, MR50, MR52, MR62e, MUX8
- Convenient knockout configuration:
  - One (1) double knockout  
1.948" (1-1/2" Conduit) / 1.701" (1-1/4" Conduit)
  - Nine (9) double knockouts  
1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates batteries
- Supervision
  - PoE Loss
  - Low Battery and Battery Presence
- Agency Listings:
  - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information
  - UL: UL294 - Access Control System
  - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
  - CE European Conformity
- Lifetime Warranty\*

*\*Altronix Power Supply/Chargers and Sub-Assemblies only*

## Accessories (order separately)



NetWay8BT



**NetWay1BT – 802.3bt (4PPoE) Midspan/Injector**

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

**NetWay4BT – 802.3bt Midspan/Injector**

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

**NetWay8BT – 802.3bt Midspan/Injector**

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



WM5

**WM5, WM25, WM100 - Magnetic Cable Tie Mounts**

Altronix WM5, WM25, and WM100 are packs of 5, 25 or 100 magnetic cable tie mounts respectively. They accommodate standard zip ties or velcro straps. These are ideal for wire management in our Trove series.



Mounting Magnet

**MM4, MM8, MM12, MM24 - Magnetic Mounting Solution**

Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/accessories in any metal enclosure or backplane.

**Specifications**

**PoE Driven Power Supply/Charger (Tango1B):**

**Ethernet Input**

802.3bt PoE up to 90W (or 802.3at up to 30W or 802.3af up to 15W)

**Power Output (when using 802.3bt 90W)**

12VDC up to 5.4A (65W) and/or 24VDC up to 2.7A (65W)

Combined output not to exceed 65W

**When charging batteries:**

12VDC up to 4.6A (55W) and/or 24VDC up to 2.3A (55W)

Combined output not to exceed 55W

**Ethernet Output**

Pass-through Ethernet Port (data only)

**Battery Charging Circuit**

Automatically adjusts between Lead Acid and

Lithium Iron Phosphate (LiFePO<sub>4</sub>) batteries

Unique technology allows for single battery to backup

12VDC and/or 24VDC systems

**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

**Network Access Power Controller (LINQ8ACMCB):**

**Input**

Voltage 24VDC and 12VDC from Tango1B

Input PTCs 9A

**Outputs**

Fuse protected outputs

Any of the eight (8) PTC protected power outputs are selectable

to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

Output PTCs: 2.5A

**Programming Features:**

**Eight (8) Programmable Outputs:**

- Fail-safe, fail-secure or auxiliary outputs
- Input controlled or manually controlled through software
- High (over) and low (under) voltage and current monitoring by output
- Multiple outputs may be programmed to be triggered by a single input
- Battery back-up by output

**Eight (8) Programmable Trigger Inputs:**

- Normally open (NO), Normally closed (NC) or Open collector sink inputs
- Wet Input (5VDC - 24VDC) with 10k resistor
- Any combination of the above

**Other Programmable Trigger Inputs:**

- Monitor power supply(ies) input for voltage and current limits (high/low)
- Input and output current calibration, Programmable timer events
- Programmable user levels, Enable or disable alerts by type
- Programmable alert reporting delay

**Network Access Power Controller (LINQ8ACMCB), cont'd:**

**Indicators (LED)**

<b>Green AC LED:</b>	indicates AC trouble condition
<b>Green BAT LED:</b>	indicates battery trouble condition
<b>Green FACP LED:</b>	indicates FACP disconnect is triggered
<b>Flashing Blue Heartbeat LED:</b>	indicates network connection
<b>Individual OUT1 - OUT8 Red LEDs:</b>	indicate outputs are triggered
<b>Individual Voltage LEDs:</b>	indicate 12VDC (Green) or 24VDC (Red)

**T1MKT4SADQ Kit:**

**Agency Listings**

All components of this Trove kit are UL Listed sub-assemblies. Please refer to the corresponding Sub-Assembly Installation Guides for further information.

CE European Conformity

**Physical and Environmental**

**Dimensions (H x W x D)**

Enclosure: 18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)

Shipping: 21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

**Weight (approx.)**

Product 18.0 lb. (8.17 kg)  
 Shipping 22.0 lb. (9.98 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**

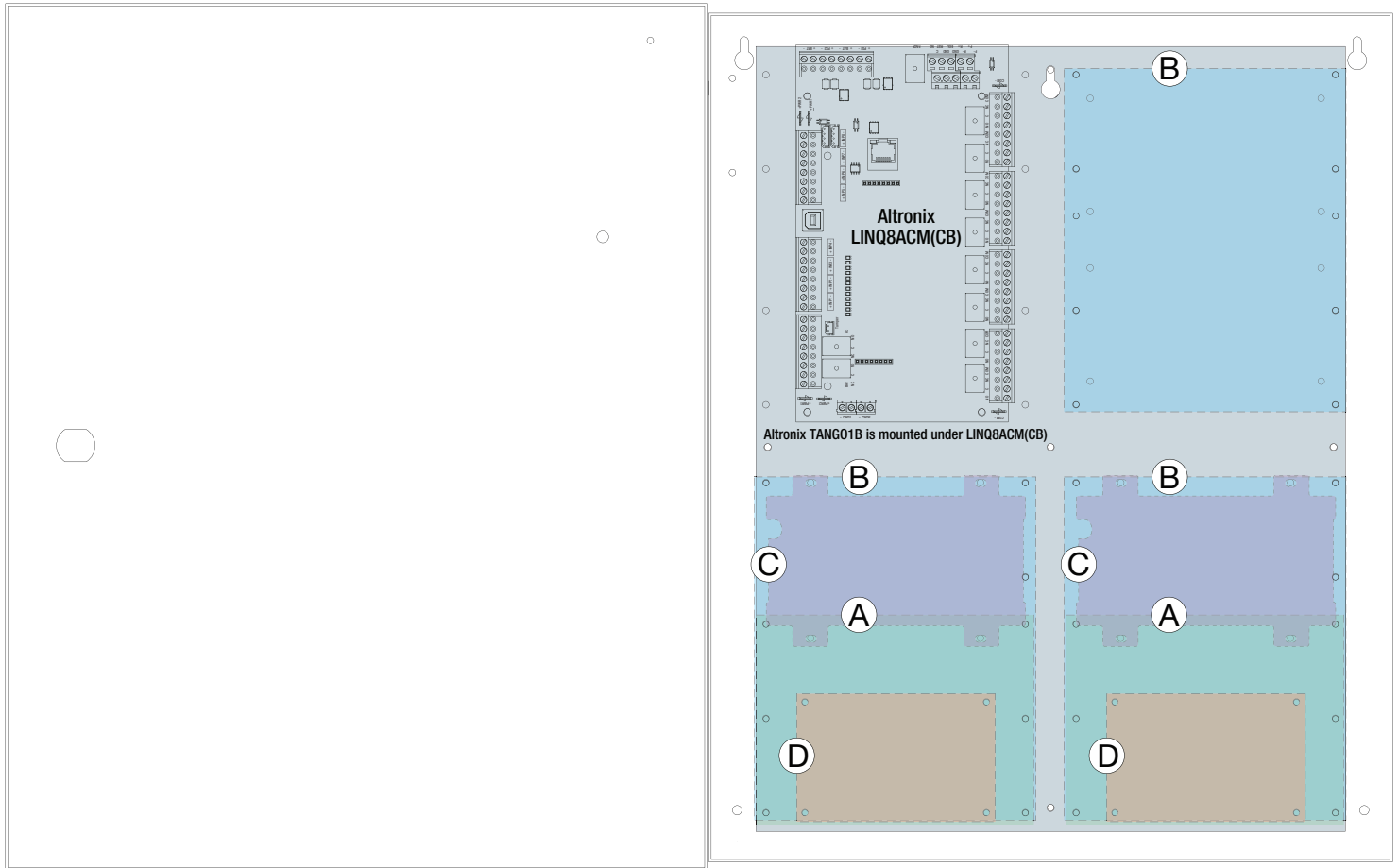
85% +/- 5%

**BTU/Hr (approx.):**

90 BTU/Hr.

**Access Controller Position Chart for the Following Models:**

Altronix/Mercury	Pem Mounting
LP2500, MUX8	(A)
LP1502, LP4502, MR52, MR16IN, MR16OUT	(B)
LP1501, MR62e	(C)
MR50	(D)



**Dimensions and Drawing**

Dimensions (H x W x D approximate)  
 18.0" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.5mm)

