

T2MTT8K1 (Kit)

Access and Power Integration Solution for Mercury



Altronix T2MTT8K1 is a 8-door access and power integration kit which includes two (2) Altronix PoE-driven power supply/chargers, eight (8) fuse protected output dual voltage access control module and eight (8) fuse protected output dual voltage power distribution module. Also included are two (2) NetWay1BT midspan injectors (boxed separately). This kit also accommodates various combinations of Mercury* boards for up to eight (8) 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, Lenel/S2, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt



T2MTT8K1

Mercury boards are not included



Key Features

- Two (2) 12VDC or 24VDC PoE-driven power supply/chargers
- Accommodates the following Mercury controllers:
LP1501, LP1502, LP2500, LP4502, MR16IN, MR16OUT,
MR50, MR52, MR62e, MUX8
- Convenient knockout configuration:
 - One (1) single knockout - 2" Conduit
 - Sixteen (16) double knockouts - 1/2" Conduit and 3/4" Conduit
- Supervision
 - PoE Loss
 - Low Battery and Battery Presence
- Enclosure accommodates batteries
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- CE European Conformity
- Lifetime Warranty*

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

Specifications

Two (2) PoE Driven Power Supply/Chargers (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 (LiFePO₄) 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

Two (2) Single Port 802.3bt Midspan Injectors (NetWay1BT):

Input

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

Power Output

IEEE802.3bt compliant

Unit provides PoE / PoE+ / Hi-PoE

90W full power

Ethernet

Connectivity: RJ45, auto-crossover

Wire type: 4-pair CAT5e or better structured cable

Distance: up to 100m

Speed: 10/100/1000 BaseT, half/full duplex, auto negotiation

Indicators (LED)

Red LED:	PoE ON
Red LED:	Power ON
Yellow and Green LED (by RJ45 jack):	IP Link status, 10/100Base-T/active

Dual Input Power Distribution Module (PDS8):

Input

Voltage 12 and 24VDC from Tango1B

Input Fuses 10A/32V

Outputs

Voltage 12VDC and/or 24VDC

Any of the eight (8) power outputs are selectable

to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

Output Fuses 3A/32V

Indicators (LED)

DC Output	Eight (8) individual output LEDs
Green:	12VDC
Red:	24VDC

Dual Input Access Power Controller (ACMS8):

Input

Voltage 12 and 24VDC from Tango1B

Input Fuses 15A/32V

Outputs

Voltage 12 or 24VDC individually selectable

Eight (8) selectable 12VDC - 24VDC independently controlled outputs or eight (8) independently controlled Form "C" relay outputs:

- a) Fail-Safe and/or Fail-Secure power outputs
- b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated
- c) Auxiliary power outputs (unswitched)
- d) Any combination of the above

Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

Output Fuses 3A/32V

Indicators (LED)

Red LEDs Outputs are triggered (relays energized)

Blue LED FACP disconnect is triggered

Individual voltage LEDs:

Green: 12VDC

Red: 24VDC

T2MTT8K1 Kit:

Agency Listings

CE European Conformity

Physical and Environmental:

Dimensions (H x W x D)

Enclosure:

27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)

Shipping:

32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm)

Weight (approx.)

Product: 41.6 lb. (18.87 kg)

Shipping: 45.6 lb. (20.68 kg)

Temperature

Operating 0°C to 49°C (32°F to 120°F)

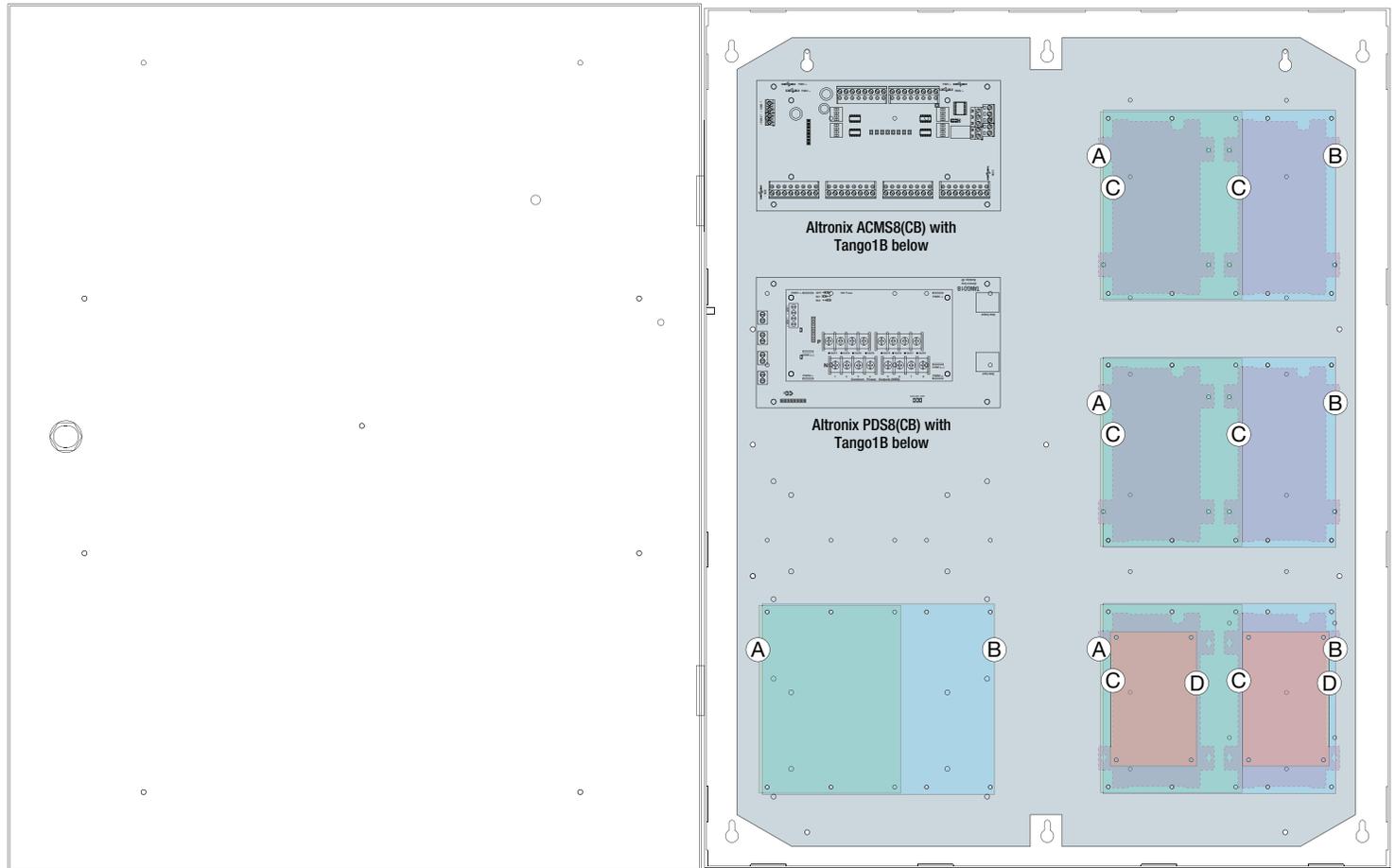
Storage - 20°C to 70°C (- 4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr. (approx.): 120 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)



Accessories (order separately)



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.



BR1

BR1 - Sub-Assembly Mounting Bracket

Altronix BR1 mounting bracket is compatible with Altronix Maximal and Trove enclosures. It allows to mount one (1) PD4UL(CB), PD8UL(CB), ACM4(CB), MOM5, VR6, PDS8, NetWay5B or LINQ8PD(CB) sub-assembly on the enclosure's inside wall, saving valuable space.

Trove2BWC
with
batteries



Trove2BWC
with
wires



TROVE2BWC - Battery/Wire Trough Enclosure

Altronix Trove2BWC is a dual-purpose enclosure that can be used as wiring trough or battery cabinet when mounted above or below of the Trove2 integrated power and access solution. The knockouts on the Trove2BWC have been strategically placed to line up with the Trove2 allowing for easy conduit connections between cabinets. Trove2BWC includes cam locks and 2 tamper switches to ensure access to wiring and batteries is secure.

Dimensions and Drawing

Dimensions (H x W x D approximate)
 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)

