

T1MT4K1D (Kit)

Access and Power Integration Solution for Mercury



Altronix T1MT4K1D is a 4-door access and power integration kit which includes Altronix PoE-driven power supply/charger, eight (8) PTC protected output dual voltage access control module and eight (8) PTC protected output dual voltage power distribution module. Also included is a NetWay1BT midspan injector (boxed separately). 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.



T1MT4K1D

Mercury modules are not included

***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



Key Features

- 12VDC or 24VDC PoE-driven power supply/charger
- Accommodates the following Mercury controllers:
Mercury: 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)
- Supervision:
 - PoE Loss
 - Low Battery and Battery Presence
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates batteries
- CE European Conformity
- Lifetime Warranty*

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

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.

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 (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

Single Port 802.3bt Midspan Injector (NetWay1BT):

Input

Voltage	115VAC, 60Hz, 1.2A or 230VAC, 50/60Hz, 0.75A
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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 Access Power Controller (ACMS8CB):

Input

Voltage	12 and 24VDC from Tango1B
Input PTCs	9A

Outputs

Voltage	12VDC and/or 24VDC
Eight (8) independently controlled PTC outputs	
a) Fail-Safe and/or Fail-Secure power outputs	
Form "C" Relays rated 28VAC or VDC @ 2.5A	
b) Auxiliary power outputs (unswitched)	
c) Any combination of the above	

Output PTCs	2.5A
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Indicators (LED)

Red LEDs	Outputs are triggered (relays energized)
Green LED	FACP disconnect is triggered

Dual Input Power Distribution Module (PDS8CB):

Input

Voltage	12 and 24VDC from Tango1B
Input PTCs	9A

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 PTCs	2.5A

Indicators (LED)

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

T1MT4K1D Kit:

Agency Listings

CE	European Conformity
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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

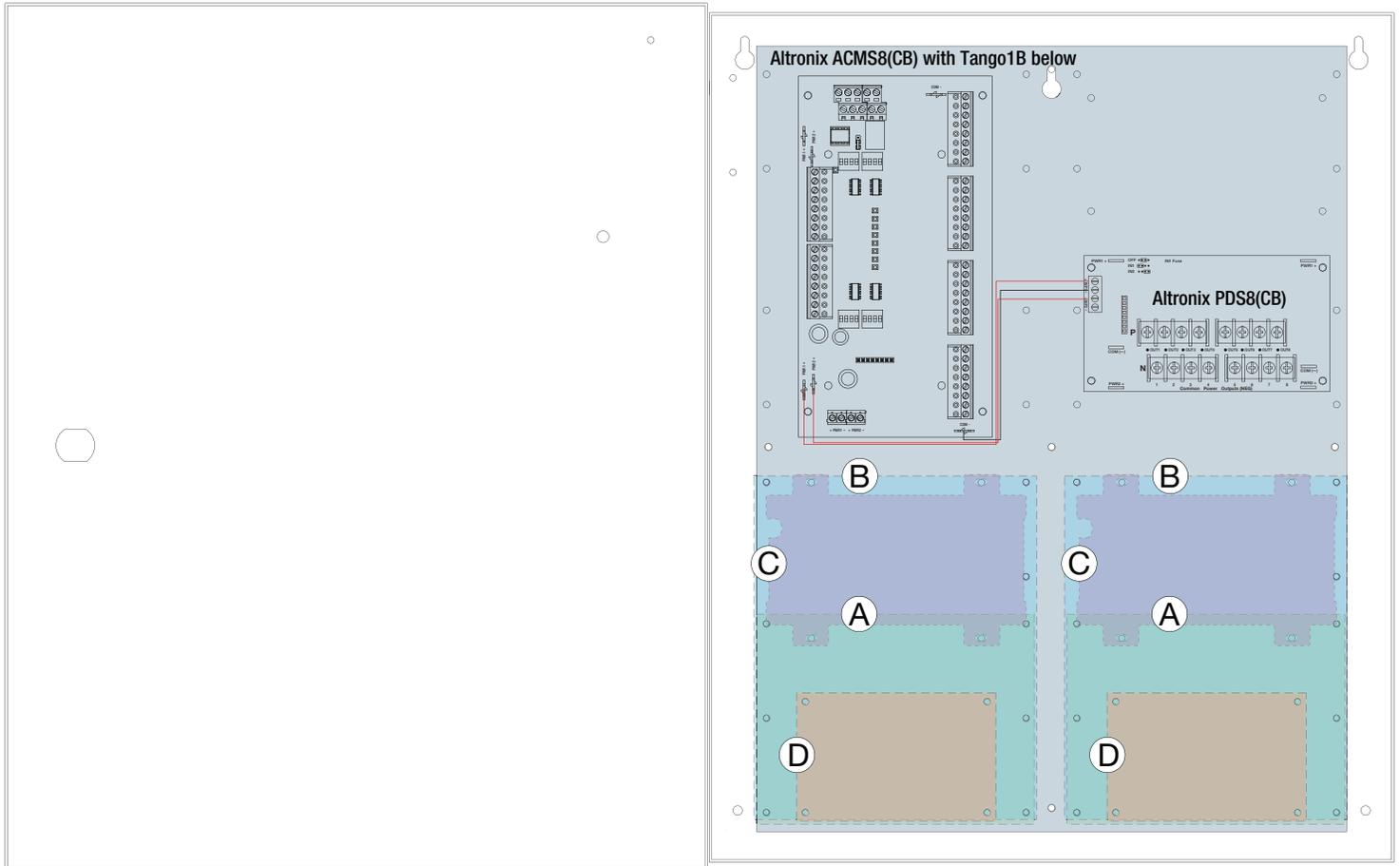
85% +/- 5%

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)

