

T1BVT4D (Kit)

Access and Power Integration Solution for Brivo



T1BVT4D consists of Tango1B UL Listed PoE Driven Power Supply converts an IEEE802.3bt 4PPoE input into a regulated 24VDC and/or 12VDC output up to 72W and ACMS8CB Dual Input/Output Access Power Controller. The T1BVT4D also accommodates Brivo ACS6000-MBE or ACS6100-DB or ACS6100-IO boards. Trove simplifies board layout and wire management, reducing installation time and labor costs.



T1BVT4D

Brivo boards are not included

Key Features

- 12VDC or 24VDC PoE driven power supply/charger
- Accommodates following Brivo boards:
 - One (1) ACS6000-MBE or
 - Up to five (5) ACS6100-DB or ACS6100-I/O
- 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 Fail
 - Battery Fail
- 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
 - CE European Conformity
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to two (2) 12VDC/7AH batteries
- Lifetime Warranty*

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

Accessories (order separately)



NetWay4BT

NetWayBT Series - 802.3BT 4PPoE Midspan Injectors

Altronix NetWayBT Series Midspan Injectors provide 802.3bt (90W) power and pass data for PoE compliant devices. PoE device may be located up to 100m from the unit.



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.



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Specifications

PoE Driven Power Supply (Tango1B):

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

12VDC up to 6A (72W), and/or 24VDC up to 3A (72W)
Combined output not to exceed 72W

When Charging Batteries:

12VDC up to 5A (62W) and/or 24VDC up to 2.7A (62W)
Combined output not to exceed 62W

Ethernet Output

Pass-through Ethernet Port (data only)

Battery Charging

Capacity One (1) LiFePO₄ battery within enclosure
Type 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

Dual Input Access Power Controller (ACMS8CB):

Input

Voltage 24VDC and 12VDC from Tango1B
Input PTCs 9A

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) 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

Indicators (LED)

Red LEDs Outputs are triggered (relays energized)
Blue LED FACP disconnect is triggered
Individual voltage LEDs:
Green: 12VDC
Red: 24VDC

T1BVT4D 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 16.23 lb. (7.36 kg)
Shipping 20.23 lb. (9.07 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.

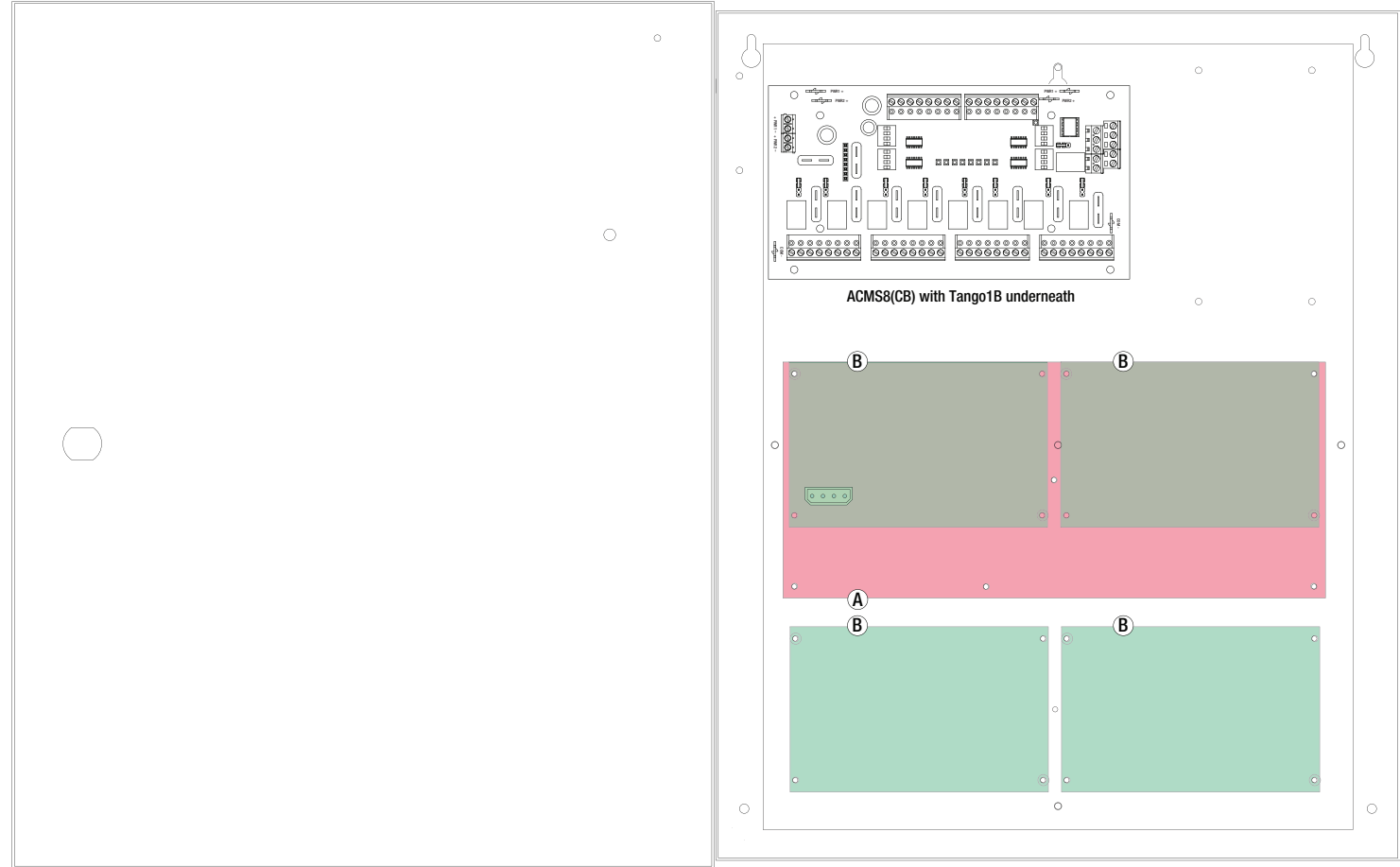


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Access Controller Position Chart for the Following Models:

Altronix / Brivo	Pem Mounting
ACS6000-MBE	(A)
ACS6100-DB, ACS6100-I/O	(B)



Dimensions and Drawing

Dimensions (H x W x D approximate)

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

