

# T2PXK78

## Access & Power Integration Solution



Altronix T2PXK78 kit consists of Trove2 enclosure, TPX2 Paxton/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) fuse protected eight (8) output access power controller and one (1) fuse protected eight (8) dual output power distribution module and one (1) voltage regulator. This kit also accommodates Paxton Net2 Plus boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2PXK78

\* Paxton boards are not included



### Key Features

- 24VDC @ 10A power supply charger
- Accommodates the following Paxton modules: Net2 Plus, Paxton10
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit)
  - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Supervision
  - AC Fail
  - Supervision (*cont'd*)
    - Battery Fail 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
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- 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**
**Power Supply (AL1024ULXB2):**
**Input**

Voltage	115VAC 60Hz, 4.2A max
Fusing	5A / 250V

**Outputs**

Voltage	24VDC
Current	10A @ 24VDC continuous max
Other	Overvoltage protection Filtered and regulated

**Back-up Battery**

Capacity	12AH /12VDC (2 within enclosure) 40 AH / 65 AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous

**Supervision**

AC Failure	Form "C" contacts
Battery	Form "C" contacts

**Indicators (LED)**

Input	115VAC is present
DC Output	Powered
Battery	Discharged or not connected

**ACM8 Access Power Controller:**
**Input**

Voltage	24VDC from AI10224ULXB2
Main Fuse	10A / 32V

**Outputs**

Voltage	24VDC
Eight (8) 24VDC independently controlled fused 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 Fuses	3.5A / 32VDC
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**Indicators (LED)**

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

**VR6 Voltage Regulator:**
**Input/Output**

Voltage Range	24VDC @ 10A = Output: 12VDC @ 6A
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**VR6 Voltage Regulator (cont'd):**
**Output**

12VDC regulated output
Output rating 6A max
Surge suppression

**Indicators (LED)**

Input	Indicates input voltage is present
Output	Indicates normal operating condition

**PDS8 Dual Output Power Distribution Module:**
**Input**

Voltage Range	5VDC to 24VDC, up to 10A each, 20A total input
Main Fuse Rating	10A/32V

**Outputs**

Fuse protected outputs rated @ 3A per output, non power-limited. Total output 20A max  
Do not exceed the individual power supply ratings.  
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

**Outputs Ratings:** 4.8VDC - 24VDC

**Indicators (LED)**

DC Output	Individual voltage LEDs indicate 12VDC (Green) or 24VDC (Red/Green)
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**Features**

Multiple units may be daisy-chained to accommodate larger systems

**T2PXK78 Kit:**
**Agency Listings**

CE	European Conformity
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**Physical and Environmental**

Dimensions (H x W x D)	27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)
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**Weight (approx.)**

Product	51.5 lb. (23.36 kg)
Shipping	54.5 lb. (24.72 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.):	113 BTU/Hr

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

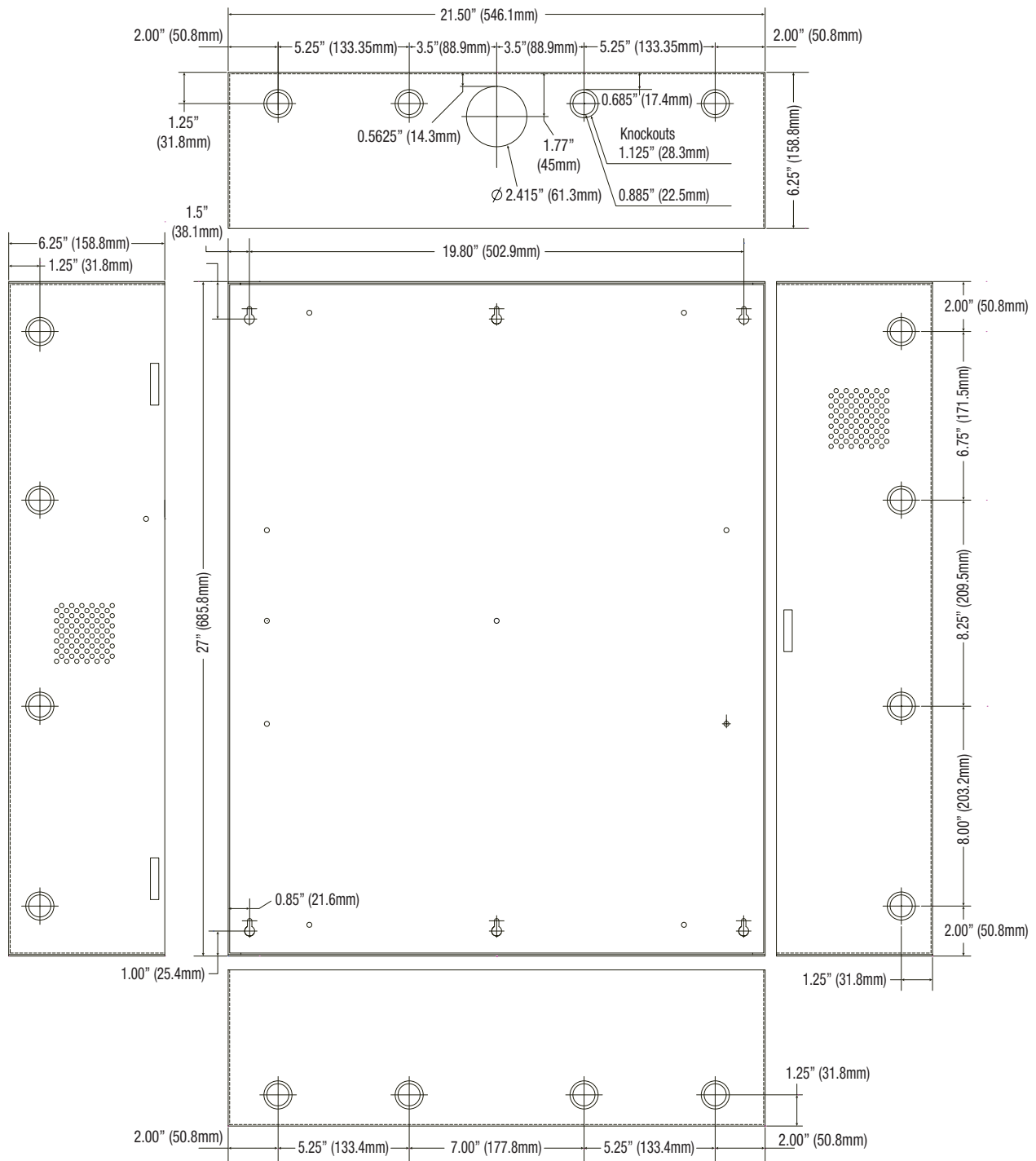
Paxton	Pem Mounting
Net2 Plus, Paxton10	(A)



**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)



**Lifetime Warranty**