



Enclosure

Pre-Wired

Power Supply

## NOA-E1PW4

Access and Power Integration Solution for Azure



### NOA-E1PW4

#### Access and Power Integration Solution for Azure

4-door access and power integration kit which includes Altronix power and sub-assemblies along with factory installed wire management and wire assemblies that are pre-configured with terminal blocks for Azure hardware. This unit provides ample power and dual voltage outputs to support Azure platform controllers and locking devices.

The NOA-E1PW4 accommodates one (1) 2-Door Network Controller and one (1) Downstream Reader Interface. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.

### Key Features

- Accommodates the following Azure boards:
  - 1 - IC2 and 1 - RI2MS
- Convenient knockout configuration:
  - One (1) knockout - 1-1/2" Conduit
  - Nine (9) double knockouts - 3/4" Conduit and 1" Conduit
- Unit includes:
  - Removable backplane
  - Wire management
  - Custom wire assemblies for power distribution with terminal blocks for controller connections
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Supervision
  - AC Fail
  - 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 two(2) 12VDC/7AH batteries
- Lifetime Warranty\*

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



**NOA-E1PW4 : includes eFlow6NB, PDS8CB, VR6, ACM4CB, wire harnesses and wire magnets**

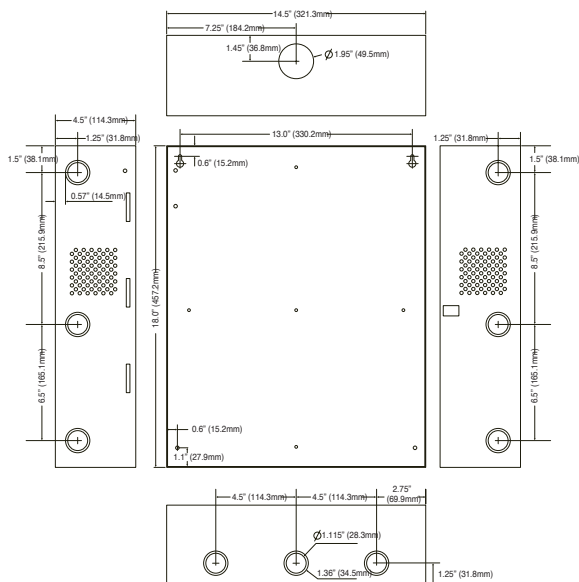
Azure boards are not included

### CAD

Dimensions (H x W x D approximate)

18.0" x 14.5" x 4.625"

(457.2mm x 368.3mm x 117.5mm)



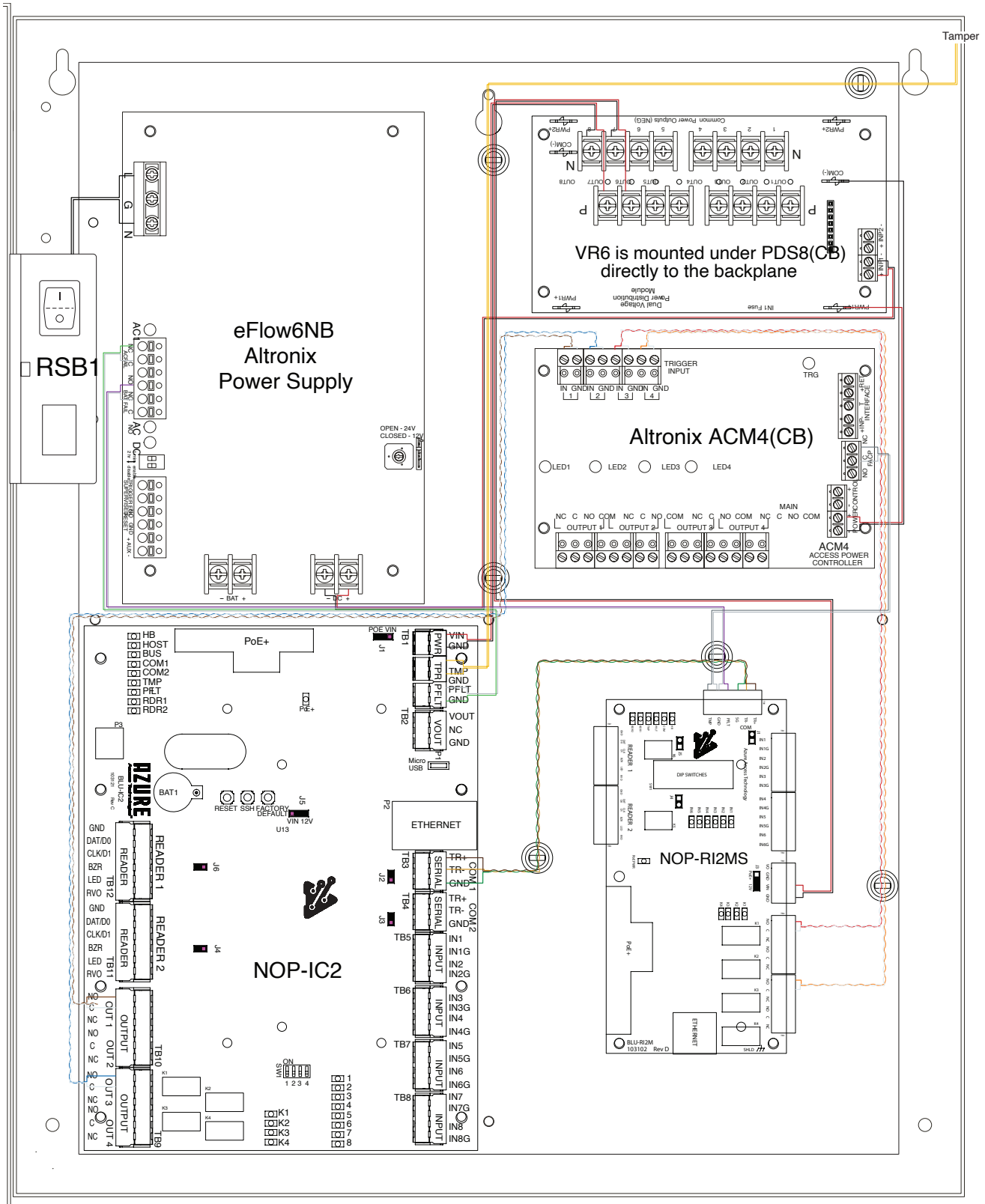
# NOA-E1PW4

Access and Power Integration Solution for Azure

## Specifications

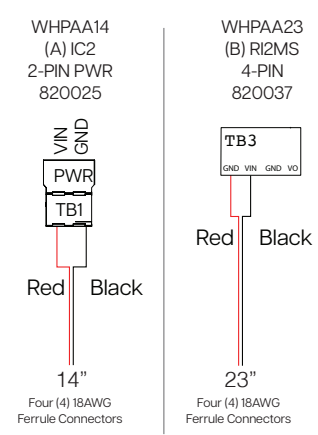
POWER SUPPLY / CHARGER (eFLOW6NB)	
<b>Input</b>	
Voltage	120VAC, 60Hz, 3.5A
Input Fuse	5A/250V
<b>Output</b>	
Voltage	24VDC
Current	6A continuous
Auxiliary	1A (unswitched)
<b>Battery Charging</b>	
Capacity	7AH/12VDC (2 within enclosure) / 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous (Batteries are sold separately)
<b>Fire Alarm Disconnect</b>	
Supervised	Latching or non-latching
EOL	10K Resistor
<b>Supervision</b>	
AC Failure	From "C" contacts
Battery	From "C" contacts
Low DC Power Shutdown	Shuts down DC output terminals if battery voltage drops below 70-75% for 24V units (depending on the power supply) Prevents deep battery discharge
<b>Indicators (LED)</b>	
AC Input	120VAC is present
DC Output	24VDC is present
Battery	Discharged or not connected
<b>ACCESS POWER CONTROLLER (ACM4CB)</b>	
<b>Input</b>	
Voltage	24VDC from eFlow6NB
Input	10A
<b>Outputs</b>	
Voltage	24VDC Four (4) 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 PTC'S	2.5A
<b>Indicators (LED)</b>	
Red LEDs	Outputs are triggered (relays energized)
Green LED	FACP disconnect is triggered

<b>VOLTAGE REGULATOR (VR6)</b>	
<b>Input</b>	
Voltage	24VDC from eFlow6NB
<b>Output</b>	
Voltage	12VDC
Current	6A continuous
Other	Surge suppression
<b>Indicators (LED)</b>	
Input	24VDC is present
Output	Powered
<b>DUAL INPUT POWER DISTRIBUTION MODULE (PDS8CB)</b>	
<b>Input</b>	
Voltage	24VDC from eFlow6NB and 12VDC from VR6
Input PTC's	9A
<b>Outputs</b>	
Voltage	12VDC and/or 24VDC <ul style="list-style-type: none"> <li>Any of the eight (8) power outputs are selectable to follow power Input 1 or Input 2</li> <li>Individual outputs may be set to OFF position for servicing</li> </ul>
Output PTCs	2.5A
<b>Indicators (LED)</b>	
DC Output	Eight (8) individual output LEDs Green: 12VDC Red: 24VDC
<b>NOA-E1PW4 KIT</b>	
<b>Agency Listings</b>	
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
<b>Physical and Environmental</b>	
Enclosure (H x W x D)	18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)
Shipping (H x W x D)	21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)
Product Weight	16.23lb (7.36kg)
Shipping Weight	20.23lb (9.07kg)
Temperature Operating	0°C to 49°C (32°F to 120°F)
Temperature Storage	-20°C to 70°C (-4°F to 158°F)
Relative Humidity	85% +/- 5%
BTU / Hr (Approx.)	87 BTU/Hr.

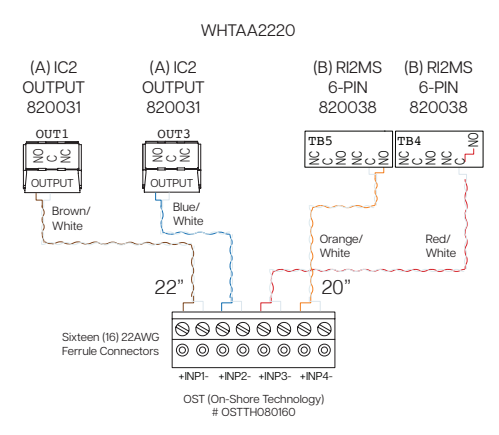


Board Type	Power	Trigger	RS-485	Additional
(A) IC2	(A) TB1 (A) TB1 IC2 IC2	(A) TB10 (A) TB10 IC2 IC2	(A) TB3 (A) TB3 IC2 IC2	(B) TB8 (B) TB8 RI2MS RI2MS
(B) RI2MS	(B) TB3 (B) TB3 RI2MS RI2MS	(A) TB9 (A) TB9 IC2 IC2	(B) TB8 (B) TB8 RI2MS RI2MS	(B) TB8 (B) TB8 RI2MS RI2MS

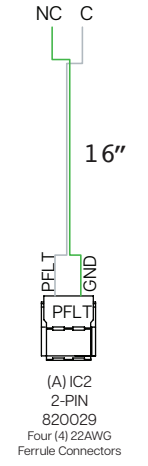
**POWER HARNESSSES**



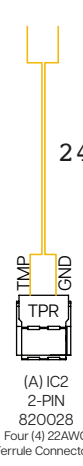
**TRIGGER HARNESSSES**



**eFlow6NB**



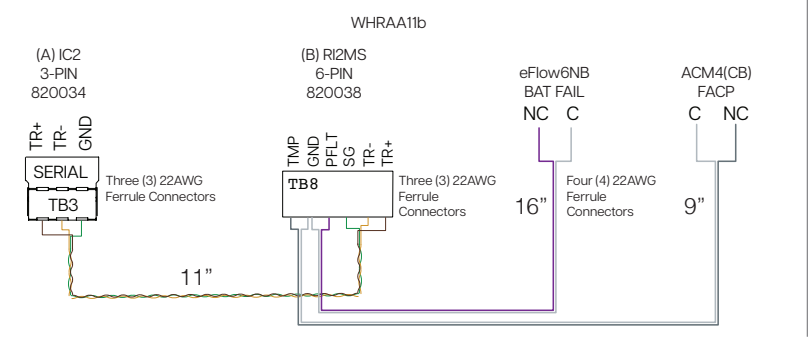
**Flying Lead**



(A) TB1 IC2	(A) TB1 IC2
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(A) TB1 IC2	(A) TB1 IC2
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**RS485 HARNESSSES / TMP / FACP**



**Kit Contents Installed**

- 1 Trove1
- 1 TAA1
- 5 Star Washers
- 5 Lock Nuts
- 2 6-32 - 5/8" Metal Standoffs
- 6 6-32 - 5/8" Nylon Standoffs
- 1 6-32 - 1" Metal Standoffs
- 3 6-32 - 1" Nylon Standoffs
- 12 6-32 - 5/16" Pan Head Screws
- 1 Power Label
- 1 10" Ground Wire
- 1 8" Flying Ground Wire

- 3 Ground Nuts
- 1 eFlow6NB
- 1 VR6
- 1 PDS8(CB)
- 1 ACM4(CB)
- 6 WM1
- 6 8" Tie Wraps
- 15 Labels
- 8 6-32 - 5/8" Nylon Standoffs

**Kit Contents Not Installed**

- 8 6-32 - 5/16" Pan Head Screws
- 1 Cam Lock
- 1 Tamper Switch
- 1 BL3
- 1 BL4
- 2 Self Tapping Screws

**Installation Instructions**

- TroveAA Kits
- Trove General
- eFlowNB
- VR6
- PDS8 / PDS8CB
- ACM4 / ACM4CB

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](http://HanwhaVision.com)  
Hanwha Vision is formerly known as Hanwha Techwin.