



- Enclosure
- Pre-Wired
- Power Supply

NOA-E2PW8

Access and Power Integration Solution for Azure



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8-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-E2PW8 accommodates one (1) 2-Door Network Controller and three (3) 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 3 - RI2MS
- Convenient knockout configuration:
 - One (1) knockout - 2" Conduit
 - Sixteen (16) double knockouts - 1/2" Conduit and 3/4" 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
 - Low power shutdown
- CE European Conformity
- Enclosure accommodates up to four (4) 12VDC/7AH batteries
- Lifetime Warranty*

*Altronix Power Supply/Chargers and Sub-Assemblies only



NOA-E1PW4 : includes eFlow104NB, PDS8CB, VR6, ACM4CB, wire harnesses and wire magnets

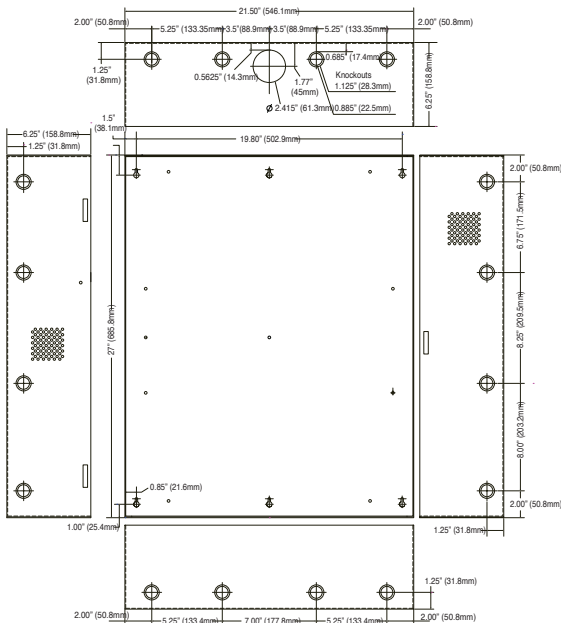
Azure boards are not included

CAD

Dimensions (H x W x D approximate)

27.25" x 21.5" x 6.5"

(692.2mm x 546.1mm x 165.1mm)



NOA-E2PW8

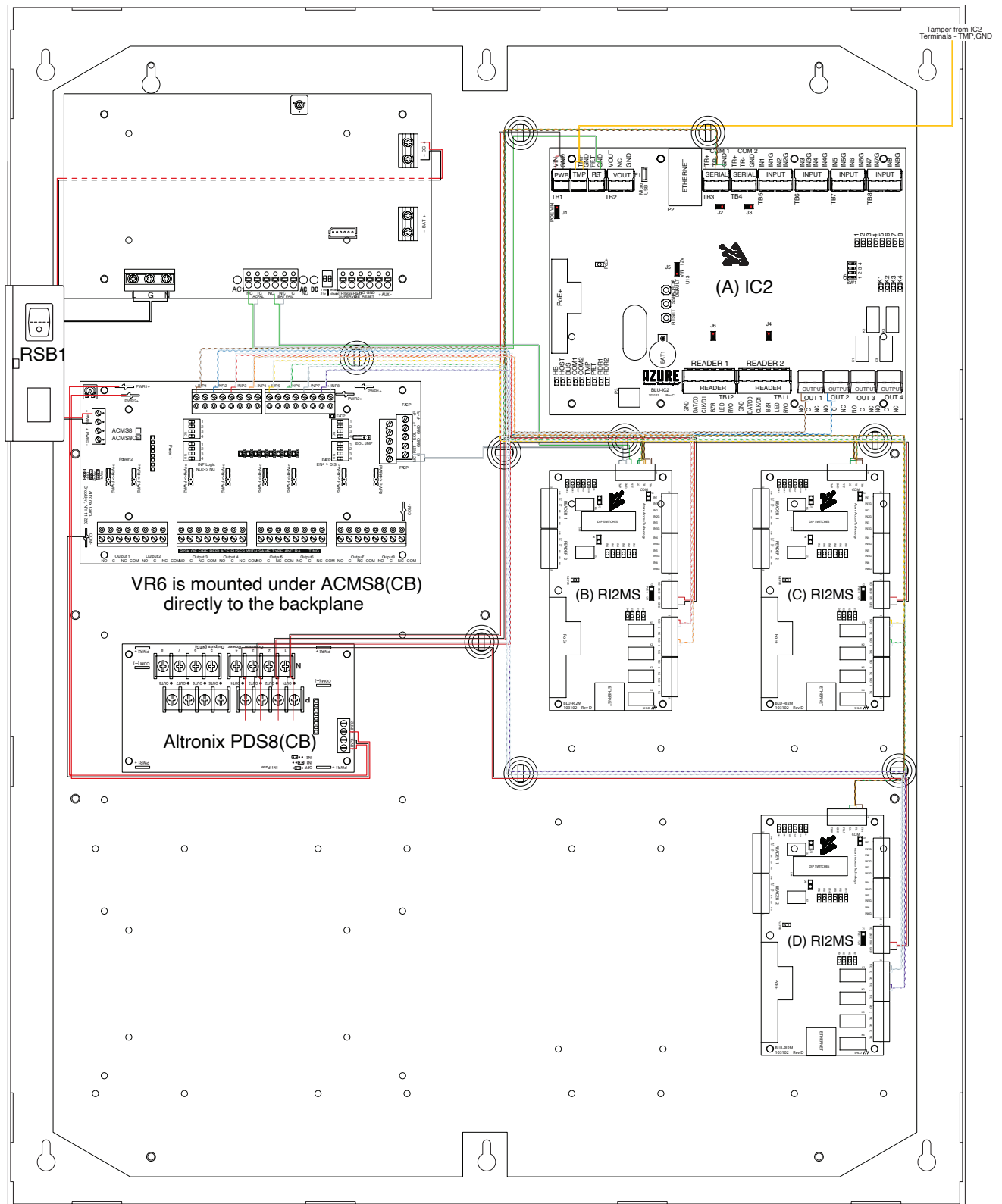
Access and Power Integration Solution for Azure

Specifications

POWER SUPPLY / CHARGER (eFLOW104NB)	
Input	
Voltage	120VAC, 60Hz. 4.5A max
Input Fuse	6.3A/250V
Output	
Voltage	24VDC @ 10A
Auxiliary	1A (unswitched)
Protection	Overvoltage protection. Filtered and regulated
Battery Charging	
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)
Fire Alarm Disconnect	
Supervised	Latching or non-latching
EOL	10K Resistor
Supervision	
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
Indicators (LED)	
AC Input	120VAC is present
DC Output	24VDC is present
Battery	Discharged or not connected
DUAL INPUT ACCESS POWER CONTROLLER (ACMS8)	
Input	
Voltage	24VDC from eFlow 104NB and 12VDC from VR6
Input	10A
Outputs	
Voltage	24VDC Eight (8) 24VDC 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
Indicators (LED)	
Red LEDs	Outputs are triggered (relays energized)
Green LED	FACP disconnect is triggered

NOA-E2PW8

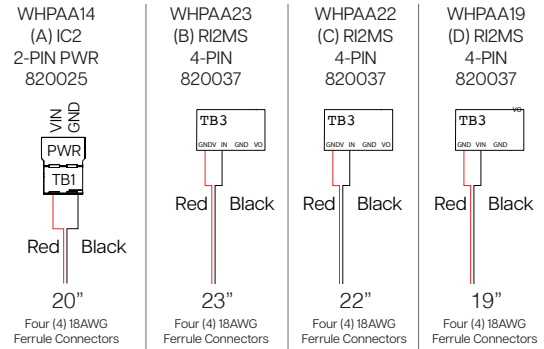
VOLTAGE REGULATOR (VR6)	
Input	
Voltage	24VDC from eFlow104NB
Output	
Voltage	12VDC
Current	6A continuous
Other	Surge suppression
Indicators (LED)	
Input	24VDC is present
Output	Powered
DUAL INPUT POWER DISTRIBUTION MODULE (PDS8CB)	
Input	
Voltage	24VDC from eFlow104NB and 12VDC from VR6
Input PTC's	9A
Outputs	
Voltage	12VDC and/or 24VDC <ul style="list-style-type: none"> 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
Indicators (LED)	
DC Output	Eight (8) individual output LEDs Green: 12VDC Red: 24VDC
NOA-E2PW8 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	
Enclosure (H x W x D)	27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)
Shipping (H x W x D)	32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm)
Product Weight (approx.)	41.6lb (18.87kg)
Shipping Weight (approx.)	45.6lb (20.68kg)
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.)	145 BTU/Hr.



Board Type	Power	Additional
(A) IC2	(A) TB1 (A) TB1 IC2 IC2	(B) TB8 (B) TB8 RI2MS RI2MS
(B) RI2MS	(B) TB3 (B) TB3 RI2M RI2M	(B) TB8 (B) TB8 RI2MS RI2MS
(C) RI2MS	(C) TB3 (C) TB3 RI2MS RI2MS	(A) TB1 (A) TB1 IC2 IC2
(B) RI2MS	(B) TB3 (B) TB3 RI2MS RI2MS	(A) TB1 (A) TB1 IC2 IC2

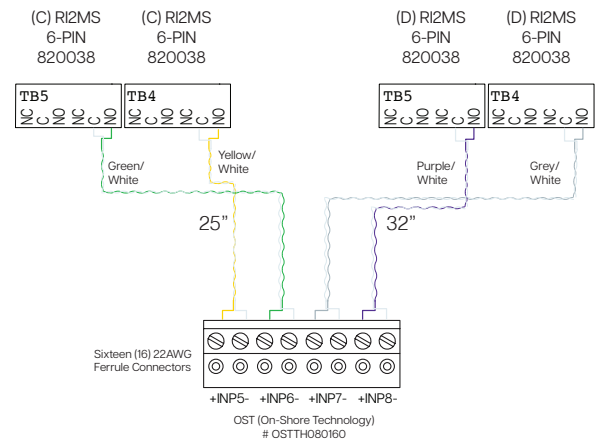
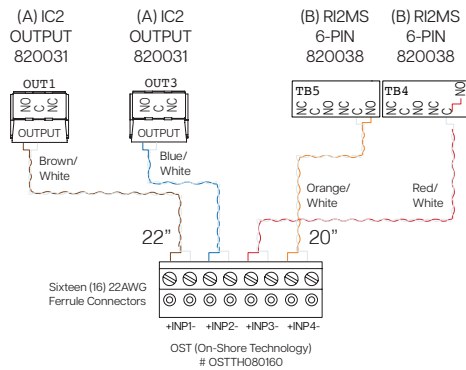
Trigger	RS-485
(A) TB10 (A) TB10 IC2 IC2	(C) TB4 (A) TB4 RI2MS RI2MS
(A) TB9 (A) TB9 IC2 IC2	(C) TB5 (C) TB5 RI2MS RI2MS
(B) TB4 (B) TB4 RI2MS RI2MS	(D) TB4 (D) TB4 RI2MS RI2MS
(B) TB5 (B) TB5 RI2MS RI2MS	(D) TB5 (D) TB5 RI2MS RI2MS

POWER HARNESSSES

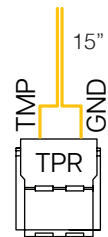


WM1 - 9 pieces

TRIGGER HARNESSSES

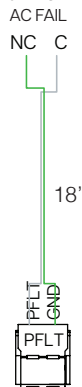


To Tamper Switch
Location Top Right



(A) IC2 - TPR
820028
Four (4) 22AWG
Ferrule Connectors

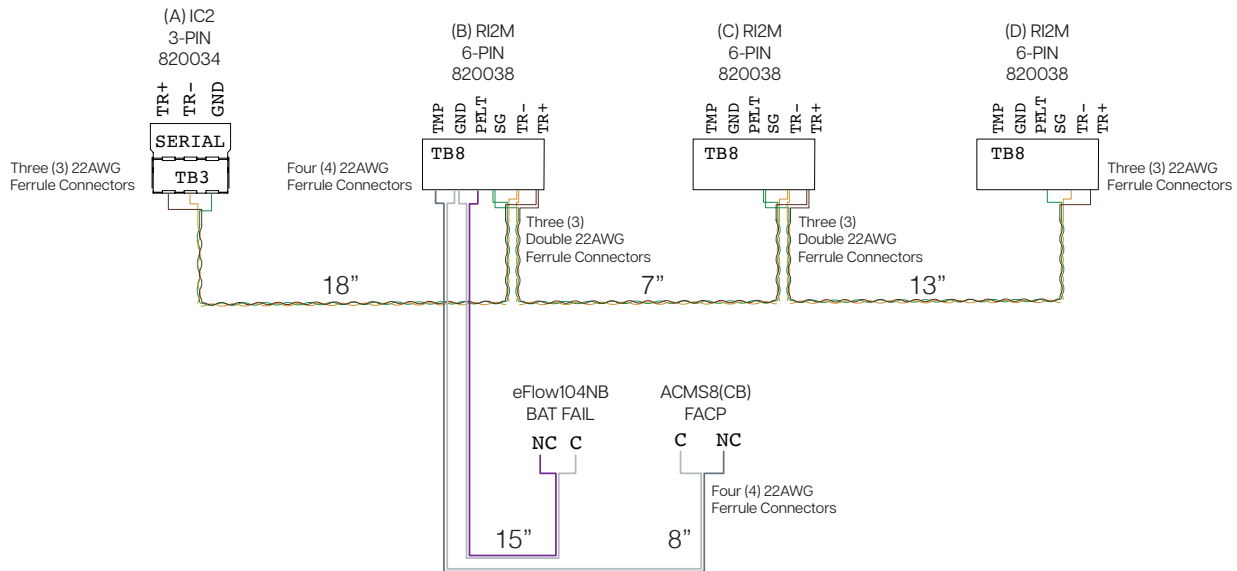
eFlow104NB



(A) IC2
2-PIN
820029
Four (4) 22AWG
Ferrule Connectors

RS485 HARNESSES

WHRAA1812b



Kit Contents Installed

- 1 Trove2
- 1 TAA2
- 10 Star Washers
- 10 Lock Nuts
- 2 6-32 - 5/8" Metal Standoffs
- 6 6-32 - 5/8" Nylon Standoffs
- 2 6-32 - 1" Metal Standoffs
- 2 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 eFlow104NB
- 1 VR6
- 1 ACMS8(CB)
- 1 PDS8(CB)
- 25 Labels
- 5 6-32 - 5/8" Metal Standoffs
- 15 Snapon Standoffs
- 9 WM1
- 9 8" Tie Wraps

Kit Contents Not Installed

- 1 Cam Lock
- 1 Tamper Switch
- 1 BL6
- 1 BL4
- 2 Self Tapping Screws

Installation Instructions

- Hanwha Kits
- eFlowNB
- ACMS8 / ACMS8CB
- VR6
- PDS8 / PDS8CB