

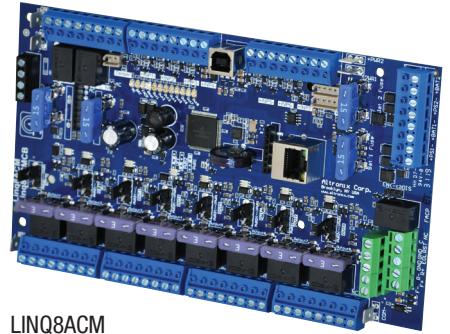
## LINQ8ACM and LINQ8ACM**C**

### Network Access Power Controllers



Altronix LINQ8ACM and LINQ8ACM**C** are UL Listed dual input network access power controllers which can be installed in Altronix wall and rack mount enclosures to facilitate access control deployment. Access Power Controller's dual input design allows power to be steered from one (1) or two (2) independent low voltage 12 or 24 VDC Altronix power supplies to eight (8) independently controlled fuse (LINQ8ACM) or PTC (LINQ8ACM**C**) protected outputs. Outputs are activated by an open collector sink, normally open (NO), normally closed (NC) dry trigger input, or wet output from an Access Control System, Card Reader, Keypad, Push Button, PIR, etc. LINQ8ACM(CB) will route power to a variety of access control hardware devices including Mag Locks, Electric Strikes, Magnetic Door Holders, etc. Outputs will operate in both Fail-Safe and/or Fail-Secure modes. The FACP Interface enables Emergency Egress, Alarm Monitoring, or may be used to trigger other auxiliary devices.

LINQ8ACM and LINQ8ACM**C** have built-in LINQ technology which facilitates monitoring, reporting, and control of one (1) or two (2) low voltage AC or supervised DC power supply/chargers over the network. They report diagnostics via Email and Windows Dashboard Alert notifications, greatly reducing system downtime and eliminating unnecessary service calls. LINQ8ACM and LINQ8ACM**C** retrofit with most currently installed multi-output power supply/chargers.

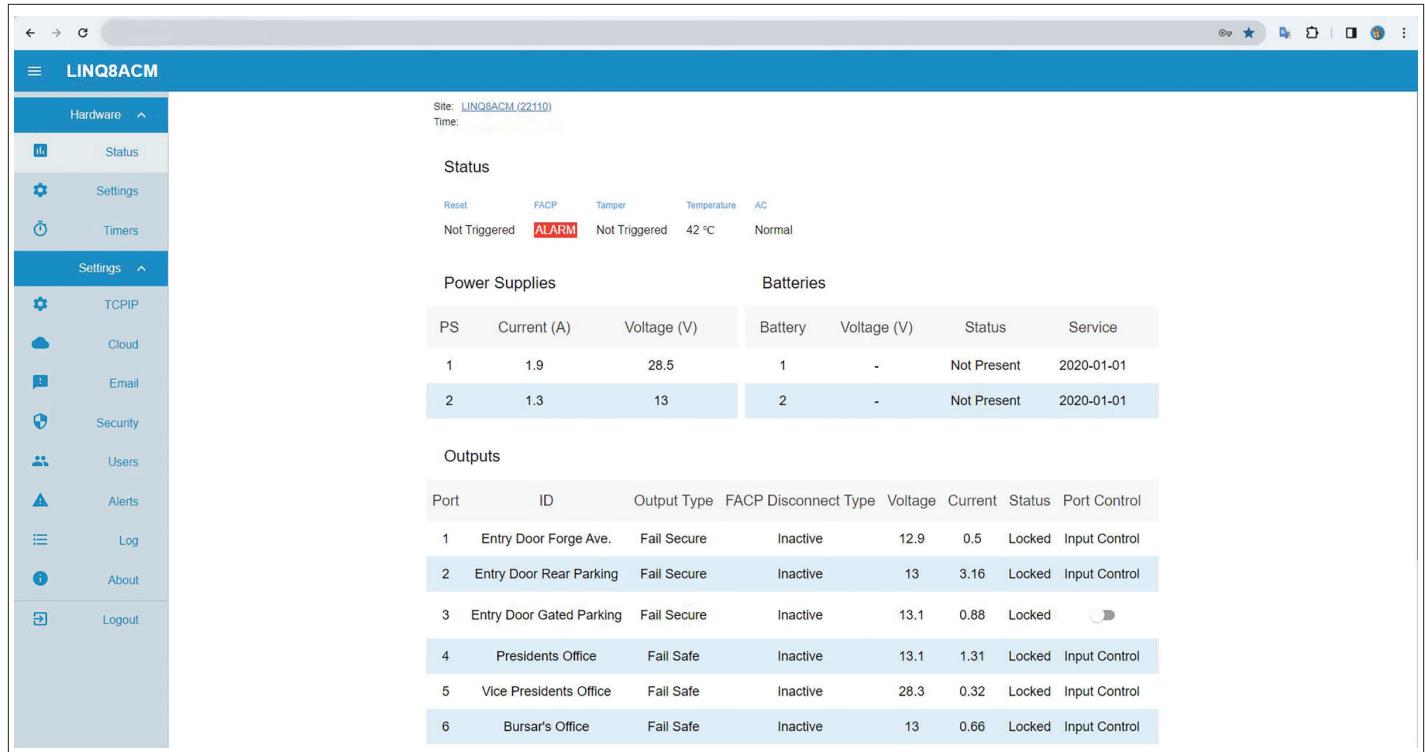


LINQ8ACM

### Key Features

- 8 fuse or PTC protected independently controlled outputs
- Management interface for up to two (2) eFlow power supply/chargers
- Two (2) network controlled Form "C" relays
- Management interface software is included (USB flash drive)
- Includes interface cables
- Lifetime Warranty

### Status Screen (Example)



The screenshot shows the LINQ8ACM management interface. The left sidebar has a 'Hardware' section with 'Status' selected, and a 'Settings' section with 'TCP/IP', 'Cloud', 'Email', 'Security', 'Users', 'Alerts', 'Log', and 'About'. The main area shows the following data:

Power Supplies			Batteries			
PS	Current (A)	Voltage (V)	Battery	Voltage (V)	Status	Service
1	1.9	28.5	1	-	Not Present	2020-01-01
2	1.3	13	2	-	Not Present	2020-01-01

Outputs								
Port	ID	Output Type	FACP Disconnect Type	Voltage	Current	Status	Port Control	
1	Entry Door Forge Ave.	Fail Secure	Inactive	12.9	0.5	Locked	Input Control	<input checked="" type="checkbox"/>
2	Entry Door Rear Parking	Fail Secure	Inactive	13	3.16	Locked	Input Control	<input checked="" type="checkbox"/>
3	Entry Door Gated Parking	Fail Secure	Inactive	13.1	0.88	Locked	Input Control	<input checked="" type="checkbox"/>
4	Presidents Office	Fail Safe	Inactive	13.1	1.31	Locked	Input Control	<input checked="" type="checkbox"/>
5	Vice Presidents Office	Fail Safe	Inactive	28.3	0.32	Locked	Input Control	<input checked="" type="checkbox"/>
6	Bursar's Office	Fail Safe	Inactive	13	0.66	Locked	Input Control	<input checked="" type="checkbox"/>

### Lifetime Warranty

## LINQ8ACM and LINQ8ACM**C**

Network Access Power Controllers



### Specifications

#### Input

Two (2) Independent Low Voltage Inputs

#### Input Voltage Options:

##### Single Input:

**Input 1:** 12 or 24 VDC from eFlow series power supply

##### Dual Input Option 1:

- **Input 1:** 12 or 24 VDC from eFlow series power supply
- **Input 2:**
  - a) 12 or 24 VDC from eFlow series power supply
  - b) 5 or 12 VDC from VR6 or VR10 voltage regulator

##### Dual Input Option 2:

12 and 24 VDC from  
Tango1B PoE Driven Power Supply

#### Voltage Range

**LINQ8ACM:** 5VDC to 24VDC, up to 10A each or 20A total input

**LINQ8ACM**C**:** 5VDC to 24VDC up to 10A each or 16A total input

#### Current Consumption:

0.6A @ 12V, 0.3A @ 24V with all relays energized

#### Input Ratings:

**LINQ8ACM** Input Fuses: 15/32A

**LINQ8ACM**C**** Input PTCs: 9A

#### Outputs

**LINQ8ACM:** Fuse protected outputs rated @ 2.5A per output, non power-limited. Total output 20A max.

**LINQ8ACM**C**:** PTC protected outputs rated @ 2A per output, Class 2 power-limited. Total output 16A max.

Do not exceed the individual power supply ratings

Any of the eight (8) fuse/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 Ratings:

**LINQ8ACM:** Fuses are rated 3A/32V each

**LINQ8ACM**C**:** PTCs are rated 2A each

Total output current is determined by the power supply(ies), not to exceed a maximum of 10A for each input.

### Programming Features:

#### Eight (8) Programmable Outputs:

- Fail-safe, fail-secure or auxiliary outputs
- Input controlled or manually controlled through software
- High (over) and low (under) voltage and current monitoring by output
- Multiple outputs may be programmed to be triggered by a single input
- Battery back-up by output

#### Eight (8) Programmable Trigger Inputs:

- Normally open (NO)
- Normally closed (NC)
- Open collector sink inputs
- Wet Input (5VDC - 24VDC) with 10k resistor
- Any combination of the above

#### Programming Features (cont'd):

##### Other Programmable Trigger Inputs:

- Monitor power supply(ies) input for voltage and current limits (high/low)
- Input and output current calibration
- Programmable timer events
- Programmable user levels
- Enable or disable alerts by type
- Programmable alert reporting delay

#### Fire Alarm Disconnect

##### Supervised

Inactive, latching or non-latching, individually selectable for any or all of the eight (8) outputs

##### EOL

10K Resistor

#### LED Indicators

- |                                 |  |
|---------------------------------|--|
| <b>Green AC LED:</b>            | Indicates AC trouble condition         |
| <b>Green BAT LED:</b>           | Indicates battery trouble condition    |
| <b>Green FACP LED:</b>          | Indicates FACP disconnect is triggered |
| <b>Blue Heartbeat LED:</b>      | Indicates network connection           |
| <b>Individual OUT1 - OUT8</b>   |  |
| <b>Red LEDs:</b>                | Indicate outputs are triggered         |
| <b>Individual Voltage LEDs:</b> | Indicate 12VDC (Green) or 24VDC (Red)  |

#### Features

- Spade connectors allow to daisy chain power to multiple LINQ8ACM/LINQ8ACM**C** modules
- This allows to distribute the power over more outputs for larger systems
- Unique stackable design via 8-pin connector allows for sub-assemblies to be mounted on the same footprint, saving valuable space

#### Agency Listings

UL 294 7th Edition: Access Control System Units

#### Physical and Environmental

##### Dimensions (W x L x H)

Board: 8" x 4.5" x 1.25" (203.2mm x 114.3mm x 31.8mm)

Shipping: 10" x 8" x 4" (254mm x 203.2mm x 101.7mm)

##### Weights (approx.):

- |           |                    |
|-----------|--------------------|
| Product:  | 0.7 lb. (0.32 kg)  |
| Shipping: | 0.95 lb. (0.43 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

93% +/- 5%

##### BTU/Hr. (approx.):

4 BTU/Hr.

Mounting hardware is included

#### Lifetime Warranty

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com



## LINQ8ACM and LINQ8ACM**C**B

Network Access Power Controllers



Accessories (order separately)



Tango1B

### Tango1B - PoE Driven Power Supply

- Converts an IEEE802.3bt 4PPoE input into a regulated 24VDC and/or 12VDC output up to 65W
- Eliminates the need for high voltage power supply inside of an enclosure
- 8-pin connector allows for stacking with compatible Altronix sub-assemblies such as LINQ8ACM(CB), saving enclosure space



VR6

### VR6 - Voltage Regulator

- Converts a 24VDC input into a regulated 5VDC or 12VDC selectable output at up to 6A
- Altronix VR6 & LINQ8ACM(CB) easily snap together to provide 5VDC or 12VDC and 24VDC simultaneously – individually selectable for each of the 8 outputs... all on one footprint!



VR10

### VR10 - Voltage Regulator

- Converts a 24VDC input into a regulated 5VDC or 12VDC selectable output at up to 10A
- Altronix VR10 & LINQ8ACM(CB) easily snap together to provide 5VDC or 12VDC and 24VDC simultaneously – individually selectable for each of the 8 outputs... all on one footprint!

### Lifetime Warranty

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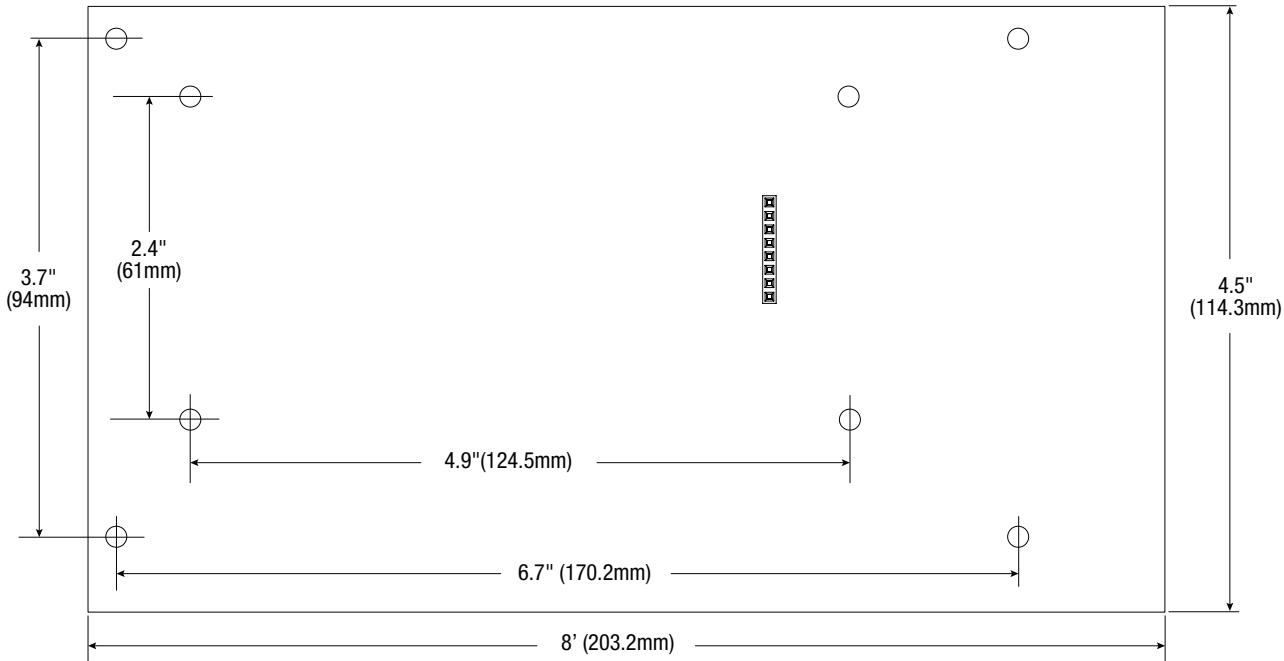
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**Dimensions and Drawing**

Board Dimensions (L x W x H approximate)

8" x 4.5" x 1.25" (203.2mm x 114.3mm x 31.8mm)

Mounting Holes' Tolerance: +/– 0.04 in. (1mm)

**Lifetime Warranty**

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