

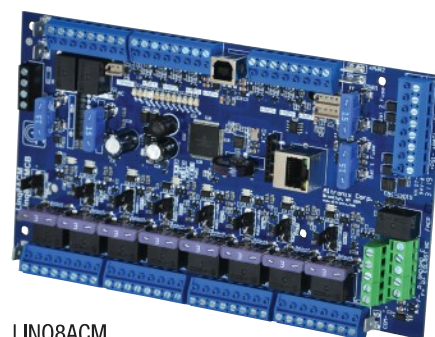
LINQ8ACM and LINQ8ACMCB

Network Access Power Controllers



Altronix LINQ8ACM and LINQ8ACMCB 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 (LINQ8ACMCB) 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 LINQ8ACMCB 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 LINQ8ACMCB 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)

LINQ8ACM

Hardware

Status

Settings

Timers

Settings

TCPIP

Cloud

Email

Security

Users

Alerts

Log

About

Logout

Site: LINQ8ACM(22110)

Time:

Status

Reset

FACP

Tamper

Temperature

AC

Not Triggered

ALARM

Not Triggered

42 °C

Normal

Power Supplies

PS	Current (A)	Voltage (V)
1	1.9	28.5
2	1.3	13

Batteries

Battery	Voltage (V)	Status	Service
1	-	Not Present	2020-01-01
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
2	Entry Door Rear Parking	Fail Secure	Inactive	13	3.16	Locked	Input Control
3	Entry Door Gated Parking	Fail Secure	Inactive	13.1	0.88	Locked	☐
4	Presidents Office	Fail Safe	Inactive	13.1	1.31	Locked	Input Control
5	Vice Presidents Office	Fail Safe	Inactive	28.3	0.32	Locked	Input Control
6	Bursar's Office	Fail Safe	Inactive	13	0.66	Locked	Input Control

Lifetime Warranty

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

LINQ8ACMCB: 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

LINQ8ACMCB Input PTCs: 9A

Outputs

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

LINQ8ACMCB: 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

LINQ8ACMCB: 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**Green AC LED:**

Indicates AC trouble condition

Green BAT LED:

Indicates battery trouble condition

Green FACP LED:

Indicates FACP disconnect is triggered

Blue Heartbeat LED:

Indicates network connection

Individual OUT1 - OUT8**Red LEDs:**

Indicate outputs are triggered

Individual Voltage LEDs: Indicate 12VDC (Green) or 24VDC (Red)**Features**

- Spade connectors allow to daisy chain power to multiple LINQ8ACM/LINQ8ACMCB 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.

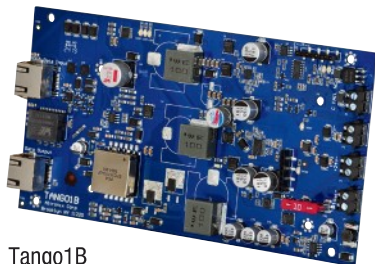
Mounting hardware is included

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

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!

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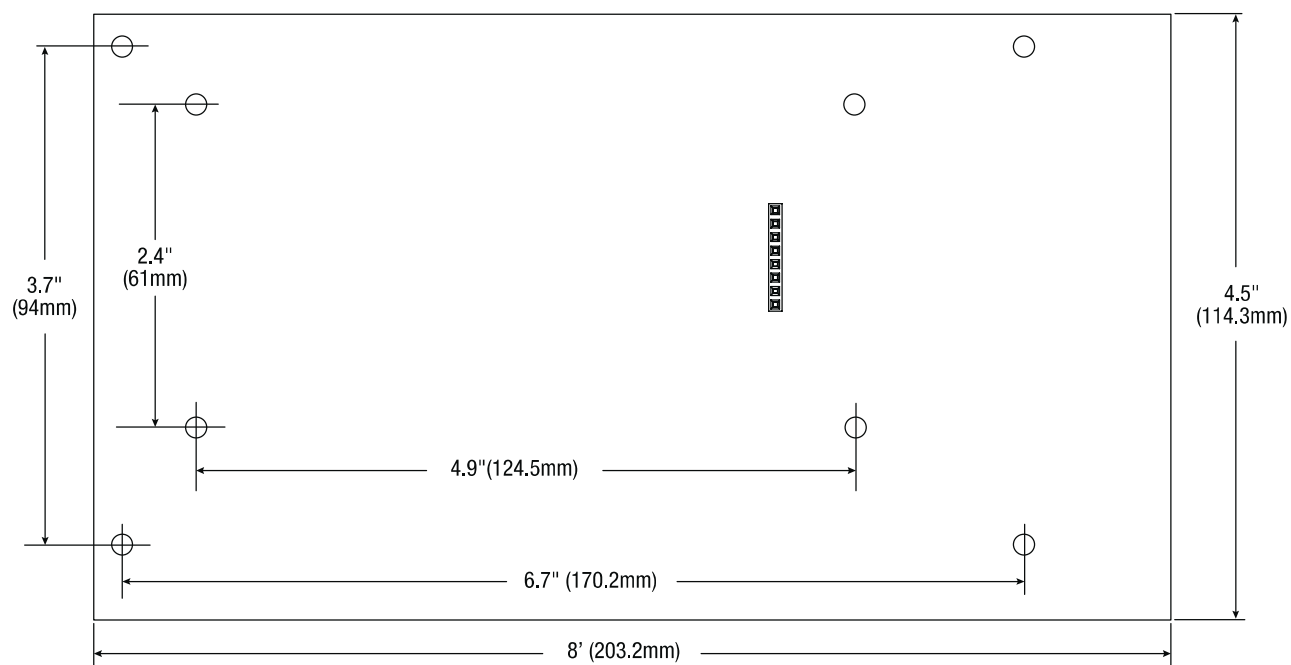


Dimensions and Drawing

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)



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