

Datasheet

ATRIUM/ A22K-POE - Ultra controller/expander

Product description

The A22K is our 3rd generation of ATRIUM, featuring high levels of encryption and flexibility. It provides users with full end to end encryption between card - reader - controller and the wider ATRIUM network to ensure cards cannot be cloned and systems cannot be manipulated.

The A22K-POE is a 2-door and 4-reader Controller/ Expander. It can power 2 magnetic locks over PoE and the system capacity is up to 500 doors and 10,000 users.

It also features an auto-detect function for easy installation and use.

Key features

- 2 doors and 4 readers controller/expander
2 Door Read In/Out
- Area capacity management for social distancing
- 66 Watts PoE enabled
- Includes free software & free app
- Up to 500 doors and 10,000 users & cards


KRYPTO HIGH SECURITY SOLUTION **PoE+** Power Over Ethernet



 Certification

 DEEE

RoHS Certification

 -22°C to 50°C

All the information contained within this document (pictures, drawing, features, dimensions, specifications), could be perceptibly different and can be changed without prior notice. - January 2021 - CDVI_A22K-POE_DS_01_EN_A4_C

Communication

On-board Ethernet:

A22K-POE to A22K-POE (max 50 IP-IP)

Bus: RS-485 A22K-POE (max 4 per A22K-POE)

Auto: detect hardware modules
(No DIP Switches)

Reader Support

OSDP V2 compatible

26, 30 & 44 Bit Wiegand format

Track 2 ABA

Reader & Keypad (Card & PIN)

K2 CDVI Reader or all other CDVI Readers

3rd Party if compatible

Input Specifications

Reader Inputs/Ports: 2 Wiegand readers

OR 4 RS485 high security readers

Multi-purpose inputs: 6

(12 using zone doubling)

Output Specifications

Auxiliary outputs:

1A (12Vdc) Fuseless protection

Lock outputs: 2 x (750mA @ 12Vdc)

Relay outputs: 2 x Form C relays

(Dry Contact) 5A @ 250Vac,

7A @ 125Vac, 7A @ 30Vdc

PoE - Electrical Specifications

Ultra Power over Ethernet End-Span / Mid-Span PSE

IEEE 802.3at/af PoE standard compliant

Compatible with All IEEE 802.3at/af Powered Devices

Power input: 56Vdc

Power output: 24Vdc, 66 Watts

(over RJ-45 Ethernet cable)

Distance: up to 100 meters

Battery backup: One 12Vdc, 4.5Ah or 7Ah
gel type battery

