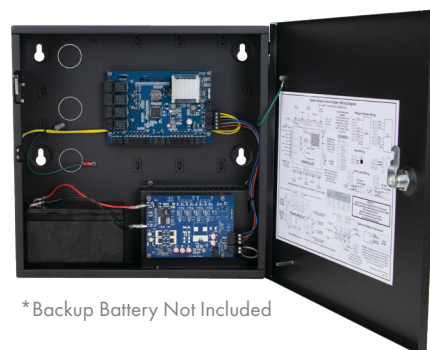## A2E4P

2 door controller - expandable up to 4 doors, power package

Features

- Embedded Linux operating system
- Expandable up to 4 doors (when used with A2M board)
- 2 Readers (In/Out)
- 2 Relays (Lock/Aux)
- 3 Inputs (REX, DPS, Aux) Global
- ETL-listed (in accordance with UL-294 standard for Access Control System Units)
- Lock Power - 12V/24V DC selectable lock power
- 5 year warranty

*Backup Battery Not Included

Technical Specification

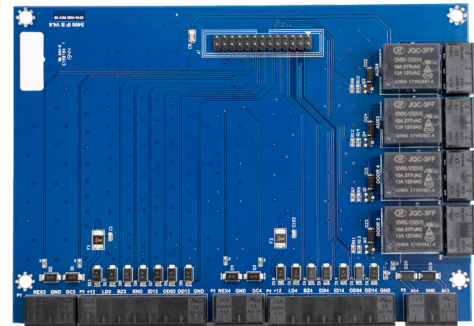|	
Processor	Quad Core Cortex, 1.5 GHz
Memory	1GB DDR3 & 8GB eMMc
Operating System	Embedded Linux
Transactions	> 45 per second
System Power Requirements	115VAC @ 1.5A
Operating Temperature	50°F to 95°F (10°C to 35°C)
Enclosure Size (W x H x D)	14.25 x 14.25 x 3.75in (362 x 362 x 95mm)
Internal Power Supply	Controller, Readers & 12V and 24V DC for Door Locks
Lock Power Output	375mA @ 24V 700mA @ 12V
Battery Backup	Controllers, Readers, & Door Lock
Recommended Battery Type (battery is not included)	Powersonic PS-1270-FI or Similar 12V, 7AH, Sealed Lead Acid with 0.187 inch terminals
Standby Power Requirement	450mA @ 12V
Readers (Wiegand)	4 Total, One In & One Out Reader for Each Door
Reader Power	300mA @ 12V Max per Reader 1000mA @ 12V Max per System
Request to Exit (REX) Inputs	2 Total, One for Each Door
Door Position (status) Inputs	2 Total, One for Each Door
Auxiliary Input	2 Total, General Purpose
Tamper Digital Input	Yes, Prewired on Units with Integrated Power
Power Fault Digital Input	Yes, Prewired on Units with Integrated Power
Door Lock Outputs	2 Form C Relay, 24V @ 2.0A
Auxiliary Outputs	2 Form C Relay, 24V @ 2.0A

Optional Accessory

A2M
Expansion Board

ACS

A2M

Add on 2 door module to use with A2E4 and A2E4P

Features

- Expands A2E4/A2E4P up to 4 doors
- 2 Readers (In/Out)
- 2 Relays (Lock/Aux)
- 3 Inputs (REX, DPS, Aux) Global
- 5 year warranty
- ETL-listed

Technical Specification

Model	A2M
Operating Temperature	50°F to 95°F (10°C to 35°C)
Dimensions	6.125 x 4.25 x 0.75in
Internal Power Supply	Controller & Readers Only
Readers (Wiegand)	4 Total, One In & One Out Reader for Each Door
Reader Power	300mA @ 12V Max per Reader 1000mA @ 12V Max per System
Request to Exit (REX) Inputs	2 Total, One for Each Door
Door Position (status) Inputs	2 Total, One for Each Door
Auxiliary Input	2 Total, General Purpose
Door Lock Outputs	2 Form C Relay, 24V @ 2.0A
Auxiliary Outputs	2 Form C Relay, 24V @ 2.0A

speco technologies®

IP67

ACSR35L

contactless smartcard reader

Features

- Up to 15 feet of read range
- Contactless smartcard reader solution with mobile access support
- Digital Radio Frequency Identification (RFID) platform
- Supports both sector and card serial number (CSN) reads
- Offers the option of mobile access credentials loaded on Bluetooth Low Energy (BLE) enabled smartphones or contactless smartcard module

- IP67 compliant, weather resistant
- Tamper resistant
- Lifetime warranty
- NDAA Compliant*

Shown in Switch Plate

LIFE TIME WARRANTY

Technical Specification

Model	Long-Range Mobile-Ready Contactless Smartcard Reader
Technology	Contactless smartcard and Bluetooth Low Energy (BLE)
Frequency	13.56 MHz (contactless smartcard) and 2.4 GHz (BLE)
Mounting	A single reader for metal door and window frames, single-gang wall boxes, and flat surfaces
Dimensions	Mullion: 1.7" W × 4.7" H × 1.2" D (43 mm × 119 mm × 30 mm) Switch Plate: 3" W × 5.1" H × 1.2" D (76 mm × 130 mm × 30 mm)
Certifications	FCC, ICC, CE, UL Standard 294
IP Code	IP67
Voltage	+8 -14 VDC
Current Draw	40mA typical @ 12VDC, 195mA peak
Read Range	Physical Credentials: up to 1.5 inches (38 mm) Mobile Credentials: Up to 15 feet (4.6 m)
Cabling	24 AWG minimum, multiconductor stranded with an overall foil sheild
Interface	Wiegand (26-64bit integrated binary card decoder and 32 formats, ABA Track II magnetic stripe (clock and data) or OSDP
Operating Temperature	-40°F to 149°F (-40°C to 65°C)
Audio Tone	Beeper included standard
Indoor & Outdoor Installation	Electronics sealed in weather- and tamper-resistant epoxy potting
Warranty	Lifetime warranty
LED	Five-state standard (blue, red, green, amber, and off)
Technologies Supported	Interoperable with CSN7 (may include ISO 14443 compliant credentials and MIFARE® Classic 1k & 4k, MIFARE® DESFire® EV1 & EV2, MIFARE UltraLight® and MIFARE Plus®), and Sector (may include DeltaCard Sector8, such as MIFARE® Classic 1k & 4k, MIFARE® DESFire® EV1 & EV2, as well as FIPS201 [PIVType A], TWIC, and CAC credentials), as well as Conekt Mobile Access Credentials.

Compatible Credentials

ACSM2P
Smartcard
Credential

ACSC2
Clamshell
Credential

ACSK2
Key Fob

ACMC2
Mobile
Credential

NDAA
COMPLIANT

*Products are in compliance with NDAA Section 889 Part B Guidelines

ACMC2

mobile credential for BLE reader

Features

- Up to 15ft read range
- Supports both presentation and longer-range options
- Bluetooth Low Energy: operates with mobile ready readers
- High Security Encryption Technology: protected behind the smartphone's security parameters
- Respect for Privacy: easy one-time registration without disclosure of private information\
- Non-transferable
- Pack quantity: 25 codes
- NDAA Compliant*

Technical Specification	
Technology	Bluetooth Low Energy (BLE)
Frequency	2.4 GHz
Type	Smartphone mobile access credential, downloadable via app
Operation	iPhone® or Android™ - based smartphones
Format	Wiegand (26-bit)
Marking	Date code and ID
Read Range	ACSR35L: Up to 15ft (4.6m)
Supporting Readers	ACSR35L

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*Products are in compliance with NDAA Section 889 Part B Guidelines