ACI420

OSDP reader, slim design, Mifare Desfire EV1/2/3, CSN & Bluetooth

Product overview

The ACI42x range of readers provides an attractive reader in slim line or standard design supporting cards with secure Mifare Desfire EV1/EV2/EV3 security. In addition the reader provides for onboard Bluetooth (BLE) support. The ACI42x-PIN variants include a PIN keypad.

Secure readers

The ACI42x range supports security from the card up to the controller when the controller supports the security features of the OSDP V2.17 standard and the Mifare Desfire EV1/EV2/EV3 cards are encrypted.



Details

- Secure OSDP Mifare Desfire EV1/EV2 reader
- Supports Mifare Desfire EV1/EV2 custom cards and CSN, as well as other Mifare CSN cards
- Address and other settings through configuration cards
- Robust molded plastic housing in slim design
- Indoor or outdoor mounting
- Request to exit input and one output
- Bluetooth BLE onboard
- Supported on CDC4 range of Door/Lift controllers

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Technical specifications

System

Reading distance	up to 5 cm depending on technology used and environment
Max. reader distance to panel	1 km from control panel
CSN (Card Serial Number)	Yes
Custom data model	Yes
Supported card types	Mifare Classic 7 Byte UID, MIFARE® Classic UID, MIFARE® DESFire UID, MIFARE® DESFire® EV1, MIFARE® DESFire® EV2, MIFARE® Plus UID, NFC (UID)
Addressing type	Card Addressing
No. of LEDs	3 x multi-color

Technology

Reader type	Smart Card
Reader operating-transmitting frequency	13.56 MHz
Supported technology 13.56 MHz	MIFARE DESFire (CSN), MIFARE DESFire EV1 (Aritech), MIFARE DESFire EV1 (CSN), MIFARE DESFire EV1 (custom data), MIFARE DESFire EV2 (Aritech), Mifare DESFire EV2 (CSN), Mifare DESFire EV2 (custom data), MIFARE Plus (CSN), NFC (CSN)
Supported technology 2.4 GHz	Bluetooth
Mifare type	ISO14443A
No. of Mifare bytes CSN	4 Bytes (non-unique), 4 Bytes (S50), 7 Bytes (S50), 7 Bytes (S70)

Interface & connections

Interface	OSDP V2 Secure Channel
Connector type	Pigtail
Pigtail length	3 m

Inputs / outputs

Inputs	Request to exit
Outputs	1 Open Collector (50 mA)

Tamper type

Opening tamper	Yes

Operation

PIN keypad	No

Electrical

Operating voltage	10 to 30 VDC
Current consumption	50 mA @ 13.8 VDC normal 120 mA @ 13.8 VDC max.

Physical

Physical dimensions	148 x 45 x 26 mm
Colour	Black
Material	Plastic
Form factor	Slimline
Mounting type	Surface mount

Environmental

Operating temperature	-30 to +55°C
Relative humidity	max 95% noncondensing
Environment	Indoor, Outdoor
IP rating	IP67 IK09

Regulatory

Compliancy	CE
Certification	CE

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Last updated on 18 June 2026 - 15:13