# ACI420-PIN-W

**Wiegand reader with PIN keypad, slim design, Mifare Desfire EV1/2/3, CSN & Bluetooth**

## Product overview

The ACI42x-W range of Wiegand 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-W range supports security from the card up to the reader when Mifare Desfire EV1/EV2/EV3 cards are encrypted




## Details

- Wiegand Mifare Desfire EV1/EV2 reader with PIN
- Supports Mifare Desfire EV1/EV2 custom cards and CSN, as well as other Mifare CSN cards
- 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 ATS1170 and CDC-2DWIF

# ACI420-PIN-W

## Wiegand reader with PIN keypad, slim design, Mifare Desfire EV1/2/3, CSN & Bluetooth

## 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) |
| 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 | Yes |
| PIN length | Depending on controller |

### Electrical

| | |
|---|---|
| Operating voltage | 10 to 30 VDC |
| Current consumption | 50 mA @ 13.8 VDC normal<br>120 mA @ 13.8VDC 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<br>IK09 |

### Regulatory

| | |
|---|---|
| Compliancy | CE |
| Certification | CE |

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