Reader Cidron Standard

The Cidron RFID card readers combine the latest in RFID technology with modern timeless design and a robustness that makes them ideally suited for all kinds of weather conditions and environments. Cidron Standard is a Mifare/DESFire reader with or without keypad.

All Cidron readers have a smart construction to allow easy customization. This gives retailers and customers the bonus of being able to add their own profile colours and branding. Cidron readers are available in two profiles; standard width or slim.
Cidron RFID readers comply with the latest standards within reading technology and communication to guarantee a future-proof door environment!

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Cidron Standard is a Mifare/DESFire reader with or without keypad. The reader supports both AES128 encrypted applications and sector reading as well as card serial number reading of Mifare and DESFire cards and key fobs. Cidron readers support NFC (Near Field Communication) both for card emulation and peer-to-peer mode.
Cidron Standard reader is equipped with a SAM slot (Secure Access Module) for SAM

Features

Cidron Standard

- Supports all 13,56MHz technologies
- Can be used by almost any access control system
- Fully NFC compliant to ISO 18092
- Design made for customization
- SAM slot
- Illuminated keypad
- Several communication interfaces
- Bulit-in heater
- Tamper alarm
- For indoor and outdoor use

SIM cards. Together with SAM-equipped cards and controllers, Cidron enables authentication and encryption for contactless communication.
The reader can be installed both indoors and outdoors, and is designed to be assembled directly on a wall or on a junction box.
Keypad equipped readers have a backlit keypad, which is configurable as standard. Valid or invalid card, or other operations are indicated by a LED bar with a clear green, red or yellow light. The reader can be configured to indicate different operations and events with different sounds and light. A valid or an invalid card transaction can for instance be indicated by a specific sound in combination with a green or red LED light. Cidron readers can communicate with almost any access control system on the market. Standard communication interfaces are Wiegand 26 – 64 bits, OSDP1, OSDP2, RS485 and Clock/Data.
When a reader is assembled directly on metal, bracket plate Cidron Spacer is recommended, to ensure expected reading distance. When the reader is installed outdoors, the Cidron protection cover shall be assembled together with the reader to achieve the correct protection.

Specification

- Operating frequency: 13,56MHz
- NFC standard ISO 18092: 18096 NFC peer-to-peer and card emulation
- RFID standard ISO 14443A/B: Type B cards (SRI 512/2K/4K/x4K) Mifare, Mifare Plus, DESFire EV1
- Reading technologies: Mifare CSN, Classic, Plus, DESFire CSN, 0.6, EV1
- RFID Card supported: 4&7Byte. Ultralight, Ultralight C, Mifare 1k – 4k, Mifare Plus, DESFire EV1 2k – 8k, depending on card technology, and other ISO 14443 A/B compatible cards
- Power supply: 12 – 30VDC
- Current consumption: 65mA
- Communication Interfaces: Wiegand 26 – 64, RS 485, RS232, Clock/Data
- Communication protocols: Wiegand 26 – 64, ABA 1 & 2, OSDP 1, OSDP 2
- Reading output format: Wiegand 26 – 64
- Keypad output format: 4bit, 8bit, Wiegand 26, OSDP ASCII format
- Keypad: 12 digit keypad with backlight in blue color. Control features On/Off/Auto
- Indicators: Tri-color LEDs; green, red and yellow, one color backlit keypad, buzzer with four different sounds, four wires control
- I/O: 4 inputs, 2 GPIO
- Reading distance: 30 – 100 mm depending on antenna and transponder
- SAM module: SIM card
- Heater: Embedded
- Writing distance: 30–70 mm, depending on card technology
- Tamper alarm: Built-in for split and break off protection, internal and external
- Operating temperature: –40° – +60°C
- Operating humidity: 0 – 95% relative humidity no condensation
- Protection class: IP 65 electric epoxy potted
- Housing dimensions: L=109mm, H=25mm, W=79mm
- Configuration: Setup cards and PC software