CIVINTEC®

CK5

CRYSTAL KEYPAD

Mobile Access RFID Smart Card Reader with 2.4” OLED Display and Mechanical Keypad

2.4" OLED DISPLAY WITH KEYPAD

MOBILE ID ACCESS CONTROL

BLE 5.0 & NFC

PROXIMITY RFID SMART CARDS

13.56MHz & 125KHz Dual Frequency with SAM

VERSATILE INTERFACES

Wiegand
RS485 (OSDP)

IP65 WATERPROOF

Access Control Modes

■ RFID card

■ NFC/BLE Mobile credential

■ Pincode

Description

CRYSTAL KEYPAD READER provides a multiple platform of RF-ID technologies and communication interfaces equipped with an OLED display and a mechanical keypad in a timeless design. CRYSTAL KEYPAD READER suite almost all kinds of applications and environments for indoor and outdoor installations and to the highest level of security.

CRYSTAL KEYPAD incorporates with several technology and communication interfaces standards. For access control systems supporting OSDP secure channel a credential transaction can be complete AES 128 encrypted secured during the card reading and transmitting process between the reader and the access control controller.

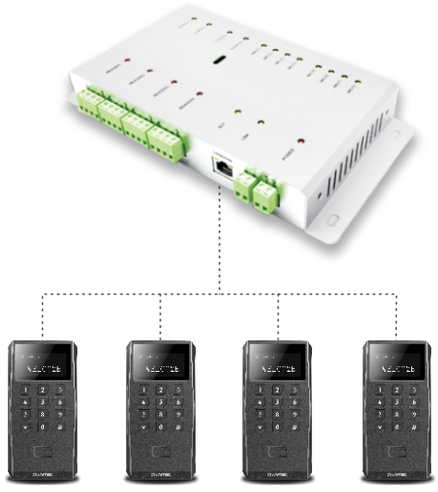
In additional, CK5 readers support 13.56MHz and 125KHz also BLE 5.0 and SAM AV2 encryption. This combination makes the product flexible for all kind of security applications and future technology requirements applicable for the security industry.

The LED symbol indicates in combination with display text and buzzer sounds a user-friendly and clear information in real time for the user.

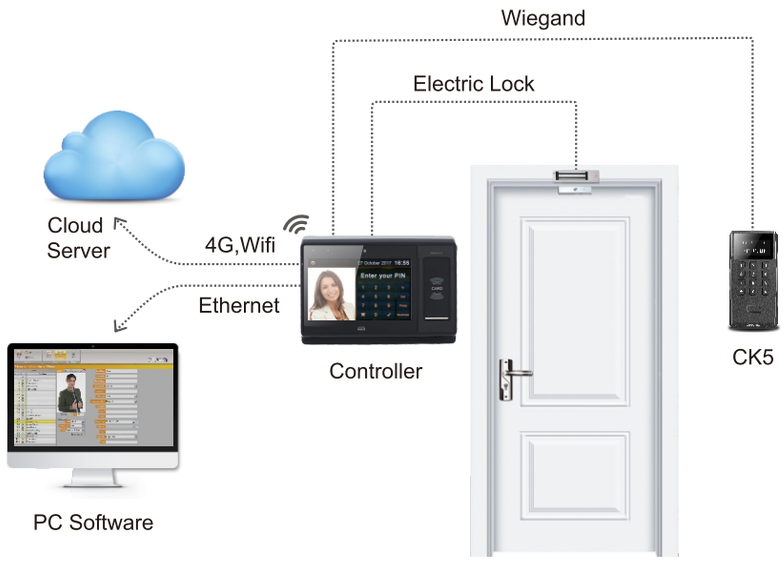
CRYSTAL KEYPAD READER is equipped with a tamper switch which allows for indication on attempts of break off and manipulation of the reader.

Advantages

- 2.4" OLED display with keypad reader
- With embedded RFID reader compatible to dual frequency full range of 13.56MHz and 125KHz Ultralight®, Mifare®, Mifare® Plus, DESFire® EV1/EV2/EV3 cards
- BLE & NFC for Mobile credentials access control by using mobile device
- Wiegand and RS485 (OSDP Secure Channel) communication interface, high compatible to third party controller
- OTA Firmware upgrade support
- CK5 touch keypad reader is IP65 waterproof for outdoor installation



Wiegand/RS485 connection



Specification

CRYSTAL KEYPAD	CK5-MX-X
ISO-protocol	13.56MHz ISO14443A/B, ISO15693, NFC, 125KHz
Contactless cards	- 125KHz Prox, EM4100, EM4200 - Mifare®S50/S70, Ultralight®(C), DesFire® EV1/EV2, Mifare® Plus S,X - NFC forum tag T2T, T4T
Mobile Credential	NFC, BLE 5.0
Secure Access Module	ISO7816 Standard Mini Card Slot, MIFARE SAM AV2
Display	2.4" OLED, 128×64 white characters on black background
Keypad	12 digit keypad in 4 rows of 3 keys in each row with white LED backlit, intensely adjustable; Keypad output format Weigand 4bit, Weigand 8bit (Dorado), Weigand 26bit & OSDP ASCII format
Communication Interface	RS485(OSDP), Wiegand (24-1024bit, configurable by software)
Indicator	Four wire control for LED and buzzer, Symbols LED with Red, Green, yellow (bio-color) or Mixed color Status Indicators, Buzzer
GPI/O	2 configurable GPIO
Tamper Alarm	Built-in mechanical tamper switch which allows for indication both break off protection and opening of the reader
Firmware upgrade	OTA support
Power supply	9-30V DC
Ingress Protection Classification	IP65
Housing dimensions	165mm (H) *84mm (W)* 20mm (T)
Operating temperature	-40°C ~ +60°C, With thermostat controlled embedded heater
Humidity	0%-90% RHNC (Relative Humidity No Condensation)
Certification	CE, RoHS

*The specifications are subject to change without notice.

CK5 Models Selection Guidance

Model Name: CK5-X-X-X

Type: 2.4" OLED Keypad Reader
Housing Dimensions:
165mm(H)* 84mm(W)* 20mm(D)

CK5 Models	RFID	NFC/BLE	Wiegand/RS485
CK5-MB-W	13.56MHz		
CK5-MEB-W	125KHz + 13.56MHz		

Config Card & Software

With config card software & configuration cards, users can easily download all readers programable parameters such as indication behaviours, custom unique encryption keys and communication interface settings.

Crystal Keypad CK5 Reader Online Shop

Version V5.2 | Released on Mar. 24, 2026

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