



# CT5

## CRYSTAL TOUCH

OSDP/ Wiegand Mobile Access  
RFID Smart Card Reader with  
3.5" Touch Screen



RFID Card



NFC Mobile Credentia



BLE Mobile Credential



Pincode

CRYSTAL TOUCH CT5 is 3.5" touch screen secured wiegand/OSDP access control reader that supports encrypted BLE & NFC mobile access, 13,56MHz Mifare®, DESFire® EV1/EV2/EV3 and 125KHz RFID smart cards and touch pincode, offering the flexibility across multiple credential options. with embedded SAM's gives protection to further increase the security of storing encryption key for high security industry. CT5 is tamper protected with a mechanical switch which allows for indication both on attempts of break off and manipulation of the reader.



### High Secure and Seamlessly Integration

Support OSDP (Open Supervised Device Protocol) to custom text and images, audio buzzer to display custom messages with images on reader screen.



### Mobile Access and Easy Visibility

CT5 mobile access supports both NFC/BLE in Android, and BLE in iOS. Smartphones is access key to unlock door and display visitor's photo on the 3.5" touch screen, providing a more intuitive and clear information to confirm their identity.



### Highly Customizable

CT5 is a highly customizable reader designed to meet diverse user needs, with controllable audio features (volume and buzzer) and display customizable interface for active with/without keyboard and a custom option menu etc.



### Protection

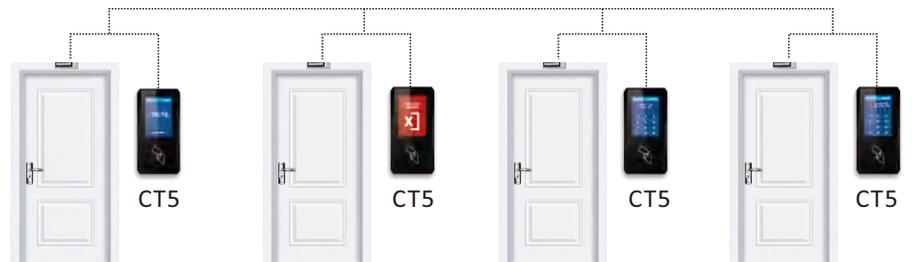
With IP65 ratings and UV-resistance, it is weather resistant to rain, dust, strong sunlight, ideal for various outdoor environments installations.

## CONFIGURATION

CT5 touch screen reader is with complete reader functionality and support the most of brand controllers that have Wiegand or RS485 ODSP communication interfaces.



RS485(OSDP)



CT5 mobile access reader is compatible with BLE or NFC mobile credentials, featuring real-time remote management through cloud platforms.



## Intuitive User Interface

Linux based touch screen access control reader features a customizable UI with tailored text, icons, and background image. A clear, responsive touchscreen guides users seamlessly through authentication steps — display welcome messages, access instructions whether tapping a card, entering a PIN, or using mobile credentials. Icons, visual feedback, and customizable screens enhance usability for all age groups.



## Specification

<b>CRYSTAL TOUCH</b>	CT5
<b>Display</b>	3.5" touch screen
<b>Operation System</b>	LINUX
<b>Keypad</b>	Touch PIN pad
<b>ISO-protocol</b>	125KHz, 13.56MHz ISO14443A/B, NFC
<b>Contactless cards</b>	125KHz Prox, 125KHz EM, 13.56MHz Mifare® Classic, Ultralight®, Ultralight®C, Mifare® Plus, DESFire® EV1/EV2/EV3, NFC tags (T2T, T4T)
<b>High Secure Access Level</b>	ISO7816 (T=0, T=1) 1 SAM module with AV2/AV3(on request) supports with MIFARE® SAM AV2/AV3 which gives the possibility to further increase the security of storing encryption keys (Evaluation Assurance Level, for EAL5+/EAL6+) and also allows for diversification of encryption keys.
<b>Mobile Credential</b>	BLE, NFC (Support BLE in iOS, and NFC/BLE in Android)
<b>Communication Interface</b>	1x Wiegand Out (26-1024bi), RS485(OSDP protocol), BLE 4.0
<b>Power Supply</b>	9-30VDC
<b>Indicator</b>	Controllable buzzer and TP display, speaker with controllable volume
<b>I/O Port</b>	2* I/O Port, 1*tamper alarm switch
<b>Installation</b>	Terminal block connector, wall mount
<b>Protection Class</b>	IP65 electric epoxy potted. Resistant to UV ray (suitable for UV-resistance model)
<b>Operation Temperature</b>	-20 ~ +60°C
<b>Operation Humidity</b>	0-90% relative humidity non-condensing
<b>Certification</b>	CE & RoHs3

## Config Card & Software

### • Configcard Software

CT5 comes with user-friendly “Configcard” software to easily get and configure card reader’s setting and firmware upgrade.



### • Configuration Card

With configuration card, it's easy use to download all readers programable parameters such as indication behaviours, custom unique encryption keys and communication interface settings to Configuration card for reader quick setting.



## CT5 Models Selection Guidance



Model Name: CT5-X-X-X

Type: 3.5" Touch Screen

Housing Dimensions:  
165mm(H)\* 84mm(W) \* 24mm(D)

CT5 Models	RFID	NFC/BLE	Wiegand/RS485	UV Resistance
CT5-M-W	13.56MHz	✓	✓	
CT5-ME-W	125KHz + 13.56MHz	✓	✓	
CT5-M-UV-W	13.56MHz	✓	✓	✓
CT5-ME-UV-W	125KHz + 13.56MHz	✓	✓	✓

## Crystal Touch CT5 Reader Online Shop

Version V5.4 | Released on Mar. 24, 2026

**CIVINTEC**<sup>®</sup>  
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