CIVINTEC®

FACE ACCESS NEW

CT11

Innovation, Secure, Reliable

5 in 1 Access control terminal seamlessly integrates facial recognition, NFC/BLE mobile credentials, RFID and QR code with advanced VoIP intercom

FACE NFC/BLE RFID card QR Code Pincode

Overview

CT11 is highly advanced biometric access control and VoIP intercom terminal that incorporates 5-factors of authentication that encompasses biometric facial recognition, BLE and NFC mobile credentials, dual-frequency RFID smart cards, QR/barcode scanning, and touch keypad input. This multi-methods enables truly contactless access while maintaining advanced security standards for both regular users and visitors.

The Linux-based access control terminal is designed as serve centralized system, supporting multiple connectivity options including Ethernet, 4G(GPS), WiFi, and LoRaWAN for real-time online monitoring in HOST mode or fully autonomous operation in standalone Local mode, guaranteeing uninterrupted access control.

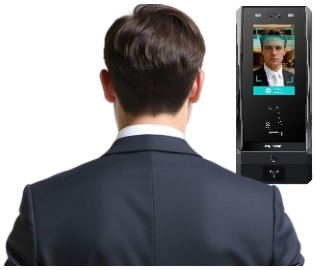
Furthermore, the CT11 is supported by a comprehensive SDK, enabling seamless third-party integration for developing bespoke solutions tailored to unique use cases across various industries—from corporate offices to industrial facilities. It also allows developers to easily customize an intuitive user interface, display branded backgrounds, and present real-time text information on its 3.5-inch touch screen. This flexibility facilitates a tailored user experience and ensures a unified brand presence.

Touchless Secure Access with Intelligent Facial Recognition

- Anti-spoofing protection distinguishes live human from artificial materials to defend against presentation attacks
- Recognize faces across a wide range of common appearance changes, as makeup, eyeglasses, sunglasses, earrings, hats
- Precisely identify living movement
- Fast matching speed in approximately 15ms for fluid user flow
- Long range recognition distance supporting a natural and uninterrupted walking pace

Support Multiple Authentication Technologies

CT11 supports multiple touchless access control credential options secured by advanced encryption. Security can be further enhanced with 5-factor authentication method by combining biometrics with digital credentials.



Facial Recognition

QR Code

Mobile Credential

RFID Smart Card

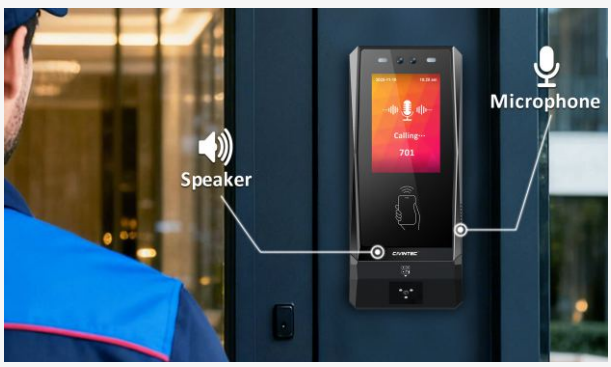
Pincode

4G + GPS Enabled for Outdoor Reliability

CT11 features embedded 4G LTE and GPS technology, designed for reliable outdoor and mobile applications. This rugged IP65-rated system ensures continuous connectivity without WiFi or Ethernet cable dependency, while its GPS capability provides essential location verification - perfect for construction sites, mobile assets, campsite and remote facilities.

Access Control with VoIP Intercom

By integrating VoIP intercom functionality directly into access control system, CT11 creates a unified security platform by utilizing the RTSP for real-time communication across all doors, which delivers an essential layer of identity verification and physical protection.



Features

Intuitive Touch Screen
- 3.5” Touch Screen Linux OS with SDK
- Programmable UI, background image with text content
- Branding LOGO modification

Multi-identificaiton Technologies
- Facial Recognition
- RFID 13.56MHz NFC Mifare® DESFire® & 125KHz smart cards
- Support BLE in iOS, NFC/BLE in Android, Configurable BLE Broadcast Range
- QR Code scanner with high-speed readability and large data capacity
- With dynamic QR Code generator to improve security for application requirements

Cloud-Based System
- Support both local offline and online mode under server remote control in real time
- HTTP/HTTPs encrypted communication protocol
- Support TCP/IP(PoE), Wi-Fi, LoRaWAN and 4G LTE connectivities

Easy Upgrade
- Server Remote Update via TCP/IP, WiFi, 4G
- BLE OTA update - wireless firmware updates
- Use ConfigCard software update Linux software and firmware

Function Keys
- Function Keys record different activity as clock in/out, overtime, breaks and other events
- Programmable definitions to trigger specific events Customizable to expand and add more keys

To Meet Requirement of The Highest level of Security
- RFID credentials are protected by DESFire® EV1/EV2/EV3 with AES encryption and MIFARE ® SAM AV2/AV3 (EAL5+/EAL6+)
- BLE credential is protected by AES encryption.
- BLE and QR code credential extended to accommodate more data to strengthen credential encryption
- HTTPs protocol with enhanced CA certificate verification
- High-security access control system working with CN56X0B reader to achieve indoor-mounted relay controlling door lock for high security

Access Control Toggle Function
CT11 toggle function allows instant door status switching between locked mode (no access), unlocked mode (free access), and normal access control mode (validates permissions) with a HTTP/HTTPs command from cloud server.

Rich I/O port
CT11 is with embedded 1~2 Relay output design for lock and facility control and input for Fire Alarm system integration

Installation
Simplified installation with PoE and wireless connectivity reduce wiring needs. Its robust weatherproof housing ensures reliable performance outdoors weather resistant to rain, dust, strong sunlight for rugged environment installations.

Applications

CT11 networked access control terminal is perfect to meet general applications and industries. It provides server-based centralized remote control in real time, to control various kinds of electronic lock, turnstile, barrier and facilities. It supports multi-identification technologies for staff, student, resident, visitor and member management and tracking.

Access Control | **Time Attendance** | **Loyalty & Payment** | **IoT Facility Control**

Industries
- Campus & School
- Enterprise
- Hospitality
- Multi-Family Residential
- Storage
- Government
- Industrial Access Control
- Construction
- Data Center
- Workforce
- Gym & Fitness Facilities
- Sport Court
- Stadiums & Venues
- Retail
- Restaurants
- Warehouses

Configuration

- **Centralized Network Management**

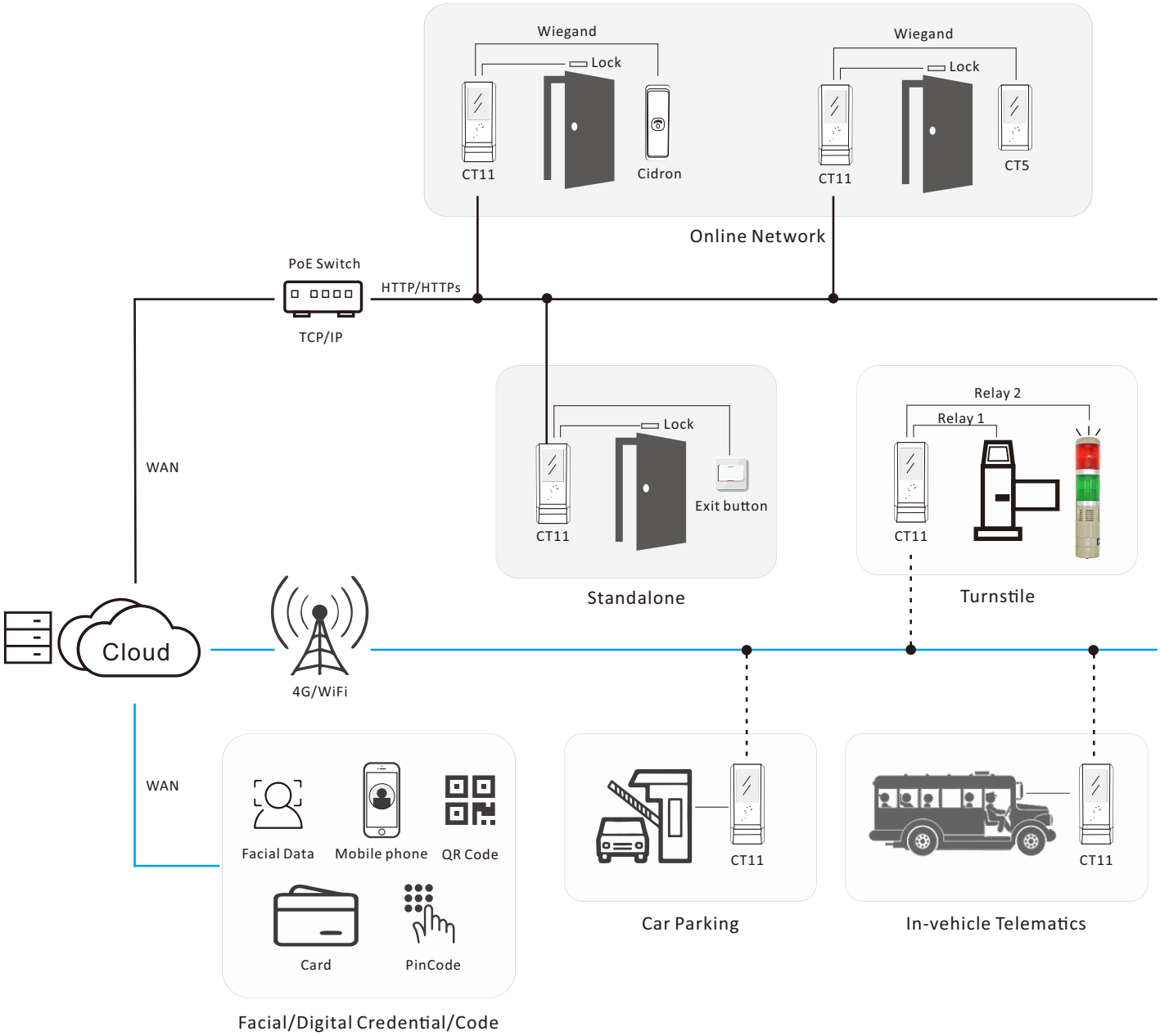
  CT11 is networked facial access control system that operates over TCP/IP, with optional WiFi, LoRaWAN, or 4G connectivity to manage both online and local mode access control applications. This ensures seamless operation in any environment, even those with limited or no local network access.

- **High-Security Access Solution Tailored for Critical Areas**

  CT11 supports APB reader to protect both sides of an access point. It can be intelligently configured into a slave mode for entrances, while operating seamlessly with interior CN56X0B relay-enabled card readers for exits. CT11 ensures full interoperability with CIVINTEC readers (Cidron, CT5, CN56X0B) for peak operational performance. It guarantees a high level of security through advanced encryption for all RFID cards, QR codes and NFC/BLE mobile credentials.

- **Intelligent Access and Facility Control**

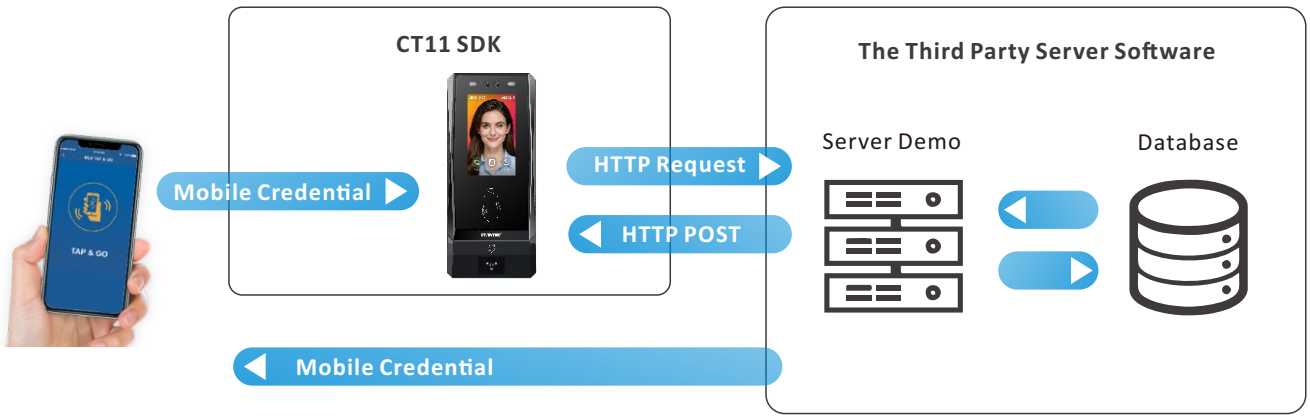
  Equipped with two relay outputs, CT11 smart IoT & access control system is ideal for centralized remote management of electric locks, lighting, shower and other facilities from a central server in real time.



For Developer

CT11 provides SDK for customer's software development or the third party software system integration for general applications build. CT11 SDK offers developer guidance, libraries, API, HTTP/HTTPs protocol, alongside ConfigCard software, robust demo software including BLE, NFC and QR credentials, server demo and rich example codes to greatly accelerate software development. HTTP and encrypted HTTPS protocols are provided for developer to establish communication between CT11 and user's server software high security and stability.

With its extensive API library, developers can effortlessly build customized solutions tailored to unique application across industries- from corporate offices to industrial facilities. The SDK further empowers developers to fully customize intuitive UI interfaces, display branded backgrounds, and present real-time text information on the 3.5-inch touch screen. This flexibility facilitates a tailored user experience and ensures a unified brand presence.



Hardware Testing package with Configuration software

CT11 supply HTP - plug & play hardware testing package for developer. It includes Configcard software and all the must-have accessories to establish full testing environment for terminal test, full functions configuration, software development and firmware/system upgrading.

Specifications

		CT11
IDENTIFICATION		
Face	Recognition Distance	30-150cm
	Authentication Speed	15ms
	Anti-Spoofing	Supported
	Infrared Senso	Supported
RFID		• 125KHz HID® PROX™, 125KHz EM • 13.56MHz Mifare®Classic, Ultralight®, Mifare®Plus, DESFire®EV1/EV2/EV3, NFC tags
Mobile Credential		BLE, NFC (*Support BLE in iOS, and NFC/BLE in Android*)
		QR Code Multiple formats supported (*1D & 2D Codes*):QR Code,Micro QR code,PDF417, Code 128, Code 39 andmost mainstream 1D and 2D barcodes.
Keypad		Supported
CAPACITY		
Max. Face Users		50,000 users (Based on one face enrollment per user)
Max. Card Users		• Local mode: 50,000 users • Online mode: Unlimited
Max. Event logs		• Local mode: 200,000 logs (more on request) • Online mode: Unlimited
Max. Image Logs		• Local mode: 7,000 logs
GENERAL		
Operating System		LINUX OS
Display		3.5” touch screen (*Resistant to UV ray*)
LCD Resolution		480*800 Pixels
Camera		2MP camera with Autofocus and LED Flash
Audio		High-quality sound Speaker
Intercom		VoIP
Indicator		• TP Display • Controllable buzzer and speaker
INTERFACE		
Ethernet		TCP/IP(RJ45)
WiFi		2.4GHz IEEE802.11 b/g/n
LoRaWAN		Supported
4G		4G LTE + GPS Supported (*suitable for CT11-H-XX model, GPS (on request)*)
Network Protocol		HTTP/HTTPs
BLE		BLE 5.3
RS485		Supported
Wiegand		1* wiegand input (*26-1024bit*)

I/O port	3*Inputs - Door contact, Door exit, Buzzer control 4*Outputs - Tamper alarm switch, Output buzzer control, Access Granted, Access Denied
Relay	1~2 relay outputs
Fire alarm	Support fire alarm signal input
INSTALLATION	
Power Supply	• DC 12~24V • PoE IEEE802.3af
Dimensions	47.7mm(D)*198mm(H)*83.6mm(W)
Protection Rating	• IP65 electric epoxy potted • Resistant to UV ray
Impact Protection	IK07
Operation Temperature	-20~60℃
Upgrade	Software and firmware upgrade supported

* The specifications are subject to change without notice.

• CT11 Model Selection Guide

CT11-XX-XX-X-UV

Relay Numbers
2R - 2 relay outputs
Blank - 1 relay output

Functions
Q - Embedded QR scanner
P - Power Over Ethernet(PoE)
QP - QR scanner + POE
Blank - no functionality

Communication Interface
Blank - TCP/IP
H - 4G LTE + TCP/IP
W - WiFi + TCP/IP
L - LoRaWAN + TCP/IP
HW - 4G LTE + WiFi + TCP/IP
LW - LoRaWAN + WiFi + TCP/IP

• Go to online shop, choose your model, and get a quote.

CT11

3.5" touch screen access control terminal with reader

Identifications: Select
Communication Interface: Select
Power: Select
Protection: Select
Relay: Select

Clear selection

Go to online shop to Get Quote

CT11 Models Selection Guidance

Housing Dimensions:
47.7mm(D) * 198mm(H) * 83.6mm(W)

Type: 3.5" Touch Screen

Model Name: CT11-XX-XX-UV

CT11 Models	RFID	NFC/BLE	QR Code	PoE	TCP/IP	WiFi	4G	Relay
CT11-ME-UV	√	√			√			1

CT11 Models	RFID	NFC/BLE	QR Code	PoE	TCP/IP	WiFi	4G	Relay
CT11-ME-2R-UV	√	√			√			2
CT11-P-UV	√	√		√	√			1
CT11-P-2R-UV	√	√		√	√			2
CT11-Q-UV	√	√	√		√			1
CT11-Q-2R-UV	√	√	√		√			2
CT11-QP-UV	√	√	√	√	√			1
CT11-QP-2R-UV	√	√	√	√	√			2
CT11-W-UV	√	√			√	√		1
CT11-W-2R-UV	√	√			√	√		2
CT11-W-P-UV	√	√		√	√	√		1
CT11-W-P-2R-UV	√	√		√	√	√		2
CT11-W-Q-UV	√	√	√		√	√		1
CT11-W-Q-2R-UV	√	√	√		√	√		2
CT11-W-QP-UV	√	√	√	√	√	√		1
CT11-W-QP-2R-UV	√	√	√	√	√	√		2
CT11-H-UV	√	√			√		√	1
CT11-H-2R-UV	√	√			√		√	2
CT11-H-P-UV	√	√		√	√		√	1
CT11-H-P-2R-UV	√	√		√	√		√	2
CT11-H-Q-UV	√	√	√		√		√	1
CT11-H-Q-2R-UV	√	√	√		√		√	2
CT11-H-QP-UV	√	√	√	√	√		√	1
CT11-H-QP-2R-UV	√	√	√	√	√		√	2
CT11-HW-UV	√	√			√	√	√	1
CT11-HW-2R-UV	√	√			√	√	√	2
CT11-HW-P-UV	√	√		√	√	√	√	1
CT11-HW-P-2R-UV	√	√		√	√	√	√	2
CT11-HW-Q-UV	√	√	√		√	√	√	1
CT11-HW-Q-2R-UV	√	√	√		√	√	√	2
CT11-HW-QP-UV	√	√	√	√	√	√	√	1
CT11-HW-QP-2R-UV	√	√	√	√	√	√	√	2
CT11 Models	RFID	NFC/BLE	QR Code	PoE	TCP/IP	WiFi	4G	Relay