

uTouch X

NEW GENERATION

ANDROID 5.1 / LINUX INTELLIGENT TERMINAL



- Mobile key as access credential by smart mobile phone through NFC or BT
- Advanced secure smart card Mifare®, Mifare® Plus, DESFire® EV1 with DES/3DES/AES encryption and SAM slot for secure data encryption.
- Biometric identification technology supports 25,000 templates with less than 330ms verification time
- POE powered terminal with Ethernet TCP/IP (HTTP protocol), 4G, WiFi and web server for web cloud software built no more power adapter and controller
- Customizable on friendly user interface and easier to integrate new APPs with SDK API



ADVANTAGES

New flagship CN890 with quad-core processor introduces biometric, mobile credential, advanced secure card and new technologies for general applications management.



The most powerful and fast platform

ANDROID 5.1 or LINUX OS system in quad-core processor, with 8G memory for large amount of records collection and multiple APPs running. Large 7" high resolution touch screen for intuitive user experience.



Advanced secure smart card

Support AES encrypted protected data from RFID smart card utilizing key diversification and mutual authentication routines. It is equipped with SAM module for secure data encryption.



Biometric identification

Using biometric identification technology which supports ISO19794-2 and ANSI 378 template, 256-bit AES fingerprint data encryption to guarantee the reality of authorized person.



Mobile key access credential

Smart mobile phone can be your mobile key as access credential through ISO18092 NFC or BT4.0, more APPs can be built to work with uTouch X to extended more markets and bring flexibility on people for devices auto and remote control.



Secure network communication

Support versatile communication interfaces from TCP/IP to wireless WiFi, 4G and BT for data synchronize to build network central management system, with the industry-standard Open Supervised Device Protocol (OSDP) for secure, bi-directional communications.



Cloud web-based software

Plug directly into your network by RJ45 cable, the Ethernet, WiFi, 4G based terminal with web server support Cloud web-based software development and integration, to manage all terminal devices from anytime and anywhere on web.



Customization service

CIVINTEC OEM/ODM technical service gives you customization service, OEM your brand LOGO, and ODM customize new features from firmware to hardware PCB or ID housing design.

ALL-IN-ONE uTouch X terminal for general purpose applications

- Customizable on friendly user interface and easier to integrate new APPs with SDK API.
- As open development platform under Android 5.1 or LINUX OS, uTouch X is designed with the state of the art features as extensible hardware platform, ideal for software.



SOFTWARE DEVELOPMENT KIT

uTouch X SDK offer developer the complete technical documents, includes development guidance, API libraries, APK, developer tool, demo software to develop and integrate versatile embedded ANDROID or LINUX GUI software APPs.



Access control & Visitor

1-2 doors access control terminal secured by advanced secure smart card, biometric and mobile key, with camera image records for 25,000 users & 100,000 records.



Time & Attendance

4 programmable function keys with job code management for labor tracking, daily attendance recording, holiday scheduling, outside duty & business management with self customized reports and smooth data exports.



Room reservation

Room access control with self-service reservation for meeting room, hotel room and others, with private key in valid time for access control and attendance records.



Member & Kiosk

Information terminal to manage membership with customized service, combined with cashless payment by smart card or smart phone

► Specifications

Model	CN890(F)X-XX-XX-XX
Operation System	ANDROID 5.1 or LINUX
CPU	1.4GHz quad-core processor
Memory	1G RAM + 8G Flash
Display	7.0" capacitive touch screen,1024*600 dpi resolution
Smart Card Interface	
ISO-protocol	125KHz & Pro, 13.56MHz ISO14443A/B,ISO15693 ISO18092 NFC
Contactless cards	EM 125KHz , 13.56MHz Mifare® Classic, Mifare® CSN, Mifare® Plus, DESFire® EV1, Ultralight® C,ISO18092 NFC tags (T2T, T3T, T4T)
Secure Access Module	ISO7816 (T=0,T=1) 1 SAM module, more SAMs on request.
Biometric Fingerprint Reader	
Fingerprint sensor	500 dpi optical sensor
Sensing area	16.0*19.0mm
Image size	272*320 pixels
FRR/FAR	0.001%/0.1%
Template capacity	1:1 (100,000); 1:N (25,000)
User capacity	100,000 users
Log capacity	1,000,000 events
General Features	
Communication interfaces	4G, WiFi, BT4.0 TCP/IP, RS232, RS485/OSDP, wiegand, USB2.0 (OTG)
Power supply	Operating Voltage: 9-24V DC PoE : Power over Ethernet IEEE802.3at Battery: 3.7V/2800mAH Li-ON chargeable battery with power management
Camera	Auto focus 5.0 megapixel digital camera
Door phone	Microphone, speaker (controllable volume)
SD card	1 SD card slot
GPIO port	4* I/O port (default input)
Relay output	2* relay outputs
Dimension	W230*H160*D45(mm)
Tamper alarm	1 tamper alarm switch
Operating temperature	0~ +60℃
Storage temperature	-10 ~+60℃
Operating humidity	5%-90% non-condensing
Installation	VESA75 mounting plate
Certification	CE, FCC

► Advantages



7.0 inch capacitive touch screen
sensitive and high resolution screen
comfortable for user experience



NFC & RFID contactless smart card options
ISO18092 NFC, 13.56MHz, MIFARE®, MIFARE Plus,
DESFire® EV1; 125KHz



Reliable biometric fingerprint security
Support both 1:N and 1:1 fingerprint
enrollment (store fingerprint into smart card)
with added privacy



Embedded auto focus camera
5.0M pixel digital camera with auto focus,
microphone and speaker



Battery
Build-in battery to ensure operation
during power failure



Power over ethernet
PoE for stable and low cost installation



Versatile communication interfaces
WiFi, 4G, BT4.0, TCP/IP, USB



Secure access module
ISO7816 SAM slot for secure
data encryption

► Order Code

CN890(F) A-XX-XX-XX

