■ E-Payment

■ Access Control

■ Secure Identity

■ Membership

ANDROID

HOME

NFC

uTouch
All-in-One Terminal for MUTI-PURPOSE USE
RF contactless, Biometric, Android Terminal with NFC
Android 4.0 OS with SDK to create your innovative applications

uTouch is multi-purpose contactless smart card and biometric terminal with 7.0 inch capacitive touch screen for intuitive comfortable user experience. The reliable and smart terminal benefits to powerful Near Field Communication (NFC) for smart phone solution, multiple contactless cards supported and optional biometric security. uTouch is compatible to 13.56MHz and 125KHz, HID iCLASS, LEGIC and combined with fast speed and accurate fingerprint authentication with up to 9500 templates.

It integrates IP-based connectivity and WiFi, GPRS, 3G into uTouch terminal for easy communication and synchronization at any time and occasions. The All-in-One terminal is with embedded web server and can be used for standalone, network and server managed system.

With embedded Android or Linux OS, uTouch fully open robust and strong platform with API and cross Compile for embedded GUI software development flexible used for a wide range of applications, much more than traditional time attendance single-purpose use terminal.

▶ Application

- Access Control Time Attendance
- Visitor Management
- Club Membership
- E-payment, Kiosk System
- Parking System
- Room Reservation

▸ Specifications

Model	CN880(F)A-XX-(PB)	CN865(F)A-XX-(PB)
CPU	Up to 1GHz	
Display	7.0 inch capacitive touch screen	
Memory	1G flash + 512 MB	
Operating Voltage	DC 9-24V	
Operation System	Android 4.0	

Contactless Smart Card Interface

NFC	ISO18092 Near Field Communication	
RF frequency	13.56MHz	13.56MHz + 125KHz
Smart Card Technologies	ISO14443A/B, FeLiCa ISO15693 on request	FeliCa™ (IDm), CEPAS (CSN), HID iCLASS EM 125KHz
Contactless cards supported	Ntag203 ultralight, Ultralight C, Mifare Classic®, Mifare DESFire® EV1, Mifare Plus	EM4102/4100, iCLASS® Standard/SE/SR/ Seos.Other types on request: HID Prox,Indala Prox, PIV ‖ Secure Identity Object™ (SIO)

Biometric fingerprint Interface

Fingerprint	Sensor	500 dpi Optical Sensor
	Sensing area	16.0 * 19.0 mm
	Image size	272 * 320 pixels
	FRR/FAR	0.001% / 0.1%
Template Capacity		100,000 (1:1), 1900 (1:N), 9500 (1:N) on request
User Capacity		100,000 users
Log Capacity		1,000,000 events

General Features

Camera	Embedded 2.0 megapixel Digital Camera
Door Phone	Microphone, 2W/8 OHM speaker (controllable volume)
Infrared sensor	Detect approaching people and activate touch screen
PoE	Power Over Ethernet (optional), IEEE802.3at
Battery	4.2V/3000mAH Li-ON chargeable battery (optional) with power management
Interface	Wireless LAN WiFi, GPRS and 3G; TCP/IP, RS232/RS485, USB (Host & Slave), weigand in/out
GPIO port	8* I/O
Relay output	2 relay outputs
Dimension	W230 *H160 * D45 (mm)
Temper Roof	Yes
Operating temperature	0 -- +50C
Storage temperature	-10 -- +60C
Operating Humidity	5% - 90% non-condensing
Indoor/outdoor	-10 -- +60C

▸ Advantages

7.0 inch capactive touch screen
Intuitive menu for convenient and comfortable user experience

Multi RF contactless smart card options
ISO14443A/B, Mifare, DESfire EV1, Mifare Plus, Felica, 125KHz; HID iCLASS or LEGIC compatible

Fashionable NFC technology
ISO18092 Near Filed Communication for mobile phone solution

Reliable biometric fingerprint security
1:1000 matches in 0.79 second, fingerprint enrollment in two ways with added privacy

2.0M pixel Digital Camera with microphone, speaker

Power Over Ethernet & Battery
PoE for stable and low cost installation
Build-in Battery to ensure operation during power failure
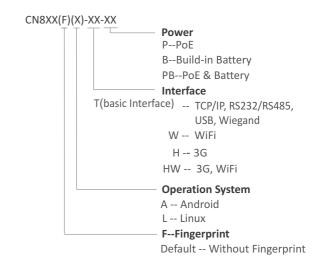
Versatile communication Interfaces
WiFi, GPRS, 3G, TCP/IP, USB (Host/Slave), Wiegand, Relay

Secure Access Module
ISO7816 SAM slot to enhance RF transaction security

▸ Order Code

CN8XX(F)(X)-XX-XX

Power
P--PoE
B--Build-in Battery
PB--PoE & Battery

Interface
T(basic Interface) -- TCP/IP, RS232/RS485, USB, Wiegand
W -- WiFi
H -- 3G
HW -- 3G, WiFi

Operation System
A -- Android
L -- Linux

F--Fingerprint
Default -- Without Fingerprint

▸ Software

Development kit

To develop Android Apps for uTouch, SDK provides you the DLL, API libraries of all peripherals as RF contactless reader, Fingerprint, IR Sensor,GPIO, Relay, Wiegand, Temper Proof, Power management etc. And developer can get the Android SDK easily on line to get API and developer tool necessary to build, test, and debug apps for uTouch. uHTP is plug and play testing and upgrading package, usedfor software program quick debugging and upgrading by SD card or UART port to greatly ease user's application development.

Application Software

Various kinds of ready-to-use GUI software from Partner can be offered as optional software packagerun on uTouch terminal for mutli-application purpose. Friendly GUI software designed with intuitive menu bring advanced and comfortable touch experience for easily management.uTouch provide total solutions along with GUI and PC software from CIVINTEC Partners as optional software package for mutli-application purpose.