

New Generation **NEW** uTouch Android Smart Terminal



New generation uTouch is Android smart terminal with large 7" touch screen for intuitive user experience. uTouch benefits to complete RFID card reader functionality and NFC, Bluetooth smart phone technology, combined with optional biometric fingerprint sensor and touch PIN code for versatile secure level authentications. It integrates IP-based connectivity and, WiFi, 3G/4G for wireless communication for data synchronization at any time and occasions. With embedded web server, uTouch can be used as standalone, network and direct http/https access to server for server managed system.

Advanced secure

Support CSN or encrypted protected data from RFID smart card utilizing key diversification and mutual authentication routines. It can be equipped with one or more SAM modules for secure data encryption

Smart camera

Embedded high resolution digital camera with Auto focus to take photo or barcode scanner

Smart phone application build

Support Bluetooth 4.0 and ISO18092 NFC P2P communication model to work with smart mobile phone and NFC tags

Network central management

Embedded TCP/IP, Wifi, 3G/4G wire and wireless communication interface for data synchronize to build network central management system



APP DEVELOPMENT

SOFTWARE DEVELOPMENT

uTouch is open development platform with embedded Android OS based on SQLITE database. uTouch SDK includes complete technical documents and developer tools, as development guidance, API/APK guidance, and development tool, libraries and DLL for Android embedded software development to built, test debug and upgrade APPs, ideal for third party systems integration and new applications development.

VERSATILE MARKETS

uTouch is open development platform with embedded Android OS and SDK complete source code for third party systems integration, and software developer to build innovative applications. uTouch is designed with new features as extensible hardware platform, ideal for multi-purpose applications.



Physical
Access Control



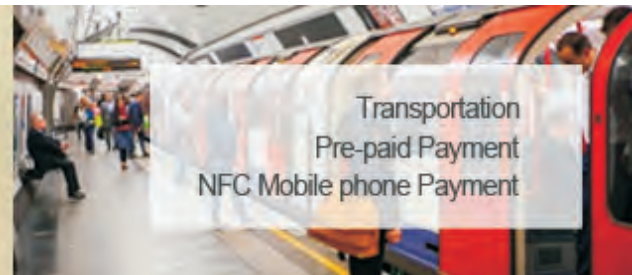
Payroll
Time Attendance



Cash payment
Mobile payment



Identification &
Membership



► Specifications

Model	CN 890	
CPU	1.4GHz quad-core processor	
Display	7.0 inch capacitive touch screen, 1024X600 dpi resolution	
Memory	RAM:1GB;ROM:8GB	
Operating Voltage	9-24V DC	
Operation System	Android4.4.2	
Smart Card Interface		
NFC	ISO18092 NFC P2P mode	
RF frequency	13.56MHz, 125KHz(optional)	
Smart Card Technologies	13.56MHz: ISO14443A, i-CLASS, 125KHz (optional)	
Contactless cards supported	ISO14443A : Mifare S50/S70,Ultralight,ultralight C, Desfire D40, Desfire EV1 (2K,4K,8K),Mifare plusS,X(2K,4K); HID iCLASS (optional) NFC Tag : TYPE2/TYPE3/TYPE4, Ntag203/205/207/213 125KHz :EM125KHz/H4095 (optional)	
Contact cards supported	ISO7816: Two SAM Slot (T=0,T=1); One SAM AV2	
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 5.0 megapixel digital camera with auto focus	
Door Phone	Microphone, speaker (controllable volume)	
Infrared sensor	60cm distance to detect approaching people and activate touch screen	
SD Card	One SD Card Slot	
PoE	Power Over Ethernet IEEE802.3at	
Battery	3.7V/3200mAH Li-ON chargeable battery with power management	
Interface	RS 232, RS485/OSDP, 2*Wiegand input 26-128, TCP/IP, USB2.0(slave+host)	
Wireless	3G/4G, WIFI, BLE	
GPIO port	4* I/O port (default Input)	
Relay output	2* relay outputs	
Dimension	W230 *H160 * D45 (mm)	
Temper Roof	Yes	
Operating temperature	0 -- +60C	
Storage temperature	-10 -- +60C	
Operating Humidity	5% - 90% non-condensing	
Installation	VESA75 mounting plate	
Certification	CE, FCC,RoHS	

► 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; HID iCLASS, 125KHz optional



Bluetooth
Bluetooth 4.0 (BLE)



Reliable biometric fingerprint security
1:1000 matches in 0.79 second, fingerprint enrollment in two ways 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, 3G/4G, TCP/IP, USB



Secure access module
ISO7816 SAM slot for secure data encryption

► Order Code

CN890(F) A-XX-XX

