



uTouch

Multi-purpose Terminal NFC+13.56MHz/125KHz+Biometric





Physical Access Control



Time Attendance Visitor Management



Club Membership



E-Payment Kiosk

uTouch is Multi-purpose RFID smart card & Biometric Terminal with 7.0 inch capacitive Touch screen for intuitive and comfortable user experience. The reliable and smart terminal benefits to powerful RFID options with NFC supporting peer to peer mode, ISO14443A,ISO14443B,HID i-CLASS, LEGIC compatible, combined with high fast & accurate fingerprint authentication as option. IP & PoE integrated terminal connects directly to the IP network for easy and low cost network system, support WIFI and GPRS/GSM, 3G flexible for wireless communication on any occasion.

With embedded Linux, 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 as club membership and E-payment, kiosk, time attendance, physical access etc., much more than traditional time attendance single-purpose use terminal.

uTouch is multi-function terminal with powerful hardware flexible used for the most applications, much more than traditional time attendance single-purpose use terminal, such as Access Control, Time Attendance, Visitor Management, Club Membership, E-payment (Kiosk, Vending Machine, Auto Fare Collection)



Kiosk Vending Machine



Auto Fare Collection



Membership Management



Visitor Management



Access Control Time Attendance

Advantages

(A)

Multi RFID smart card options

ISO18092 NFC (Peer to Peer), ISO14443A/B, MIFARE Ultralight® C, MIFARE®, MIFARE® DESFire® Ev1, MIFARE Plus®, Felica; HID i-CLASS or LEGIC compatible; EM 125KHz



Reliable biometric fingerprint security

 $1:1000\ matches\ in\ 0.79\ second,\ fingerprint\ enrollment\ in\ two\ ways\ with\ added\ privacy$



7.0 inch WVGA touch screen

Intuitive menu for convenient and comfortable user experience



2.0 M Pixel Digital Camera Microphone, Speaker



Power Over Ethernet

- Utilizes PoE enhance stability $\,$ for low cost installation $\,$
- Build-in battery to ensure operation during power failure



Versatile communication Interfaces

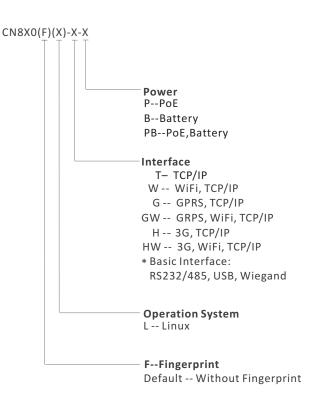
WiFi, GPRS, 3G, TCP/IP, USB(Host/Slave), Wiegand, Relay



Secure Access Module

ISO7816 SAM slot to enhance RF transation security

Order Code



Family Member

	CN860(F)-X	CN870(F)-X	EN6(F)-X
NFC NTAG203		•	
ISO14443A	•	•	
ISO14443B		•	
Ultralight® C		•	
MIFARE®	•	•	
MIFARE Plus®		•	
DESFire® EV1		•	
Felica		•	
EM125KHz			•

Optional Functions on Request





PoE Power Over Ethernet

Battery Build-in Li-ON Battery





SAM slot For build-in RF Reader

Specifications

RFID Standard ISO 14443A MIFARE® ISO 14443A (Pirante B) ISO 14443A (М	odel	CN860(F)-X	CN870(F)-X	EN6(F)-X		
ISO 18443, MIFARE9 ISO 1892 NFC When the proper open in the property of the		Technology	13.56MHz +	Fingerprint (option)	125KHz+ Fingerprint (option)		
MIFARE Ultralight@, MIFARE©Classic 1X/4X, MIFARE©Classic 1X/4X, MIFARE©Massic 1X/4X, MIFARE©M	RFID Standard		ISO 14443A MIFARE®	· · · · · · · · · · · · · · · · · · ·	EM 125KHz		
MIFARE Utralights, MIFARE Policy Proxist, ESRAN, SLEGGELOSS, other ISO14443A compatible cards softer ISO1444A compatible cards so	ISO18092 NFC			NFC (peer to peer)			
CPU Up to 800MHz Memory 256MB SLC Nand Flash + 256 MB mobile DDR SDRAM Operation System Linux LCD 7.0 Inch WVGA touch screen Camera Embedded 2.0M Pixel Digital Camera Door Phone Microphone, 2W/8 OHM Speaker (controllable volume) Infrared sensor So00pl Optical Sensor Sensing area 16.0*19.0 mm Image size 272*320 pixels FRR/FAR 0.001½ / 0.1½ Fingerprint Identification 1:1 mode; 1:N mode (1:1900; 1:9500 on request) User Capacity 100,000 users Log Capacity 100,000 ovents Dimension 230*160*45mm LED Bio-color controllable LEDs (Red, Green) USB memory slot 2 USB (Host) Communication Interface TCP/IP(RJ45), RS232 / RS485, USB and wireless WIFI, GPRS/GSM, 3G Wiegand Interface 2 Wiegand In (Wg26-58) + 1 Wiegand Out(Wg26-58) GPIO port 3 relay output 3 relay outputs SD card One Secure Digital Card slot. Battery Build-in Li-ON battery, 4.2W/ 2200mAH (option) Temper Proof Operating Humidity 5%*90% relative humidity non-condensing	RFID Card Supported		MIFARE® Pro/Prox,SLE 55Rxx, SLE66CL160S,	Ultralight@C, MIFARE@Classic 1K/4K, MIFARE@ Pro/Prox, MIFARE Plus@, MIFARE@DesFire@Ev1 SLE 55Rxx, SLE66CL160S, SRI 512/2k/4k/X4K, and other ISO14443A/B compatible cards, Sony Felica and HID	EM4100, EM4102, EM4200		
Memory 256MB SLC Nand Flash + 256 MB mobile DDR SDRAM Operation System Linux LCD 7.0 inch WVGA touch screen Embedded 2.0M Pixel Digital Camera Door Phone Microphone, 2W/8 OHM Speaker (controllable volume) Infrared sensor Detect approaching people and activate Touch Screen sensor 500dpi Optical Sensor Sensing area 16,0°19.0mm Image size 272°320 pixels FRR/FAR 0.001% / 0.1% Fingerprint Identification 1:1 mode; 1:N mode (1:1900; 1:9500 on request) User Capacity 1900 or 9500 on request User Capacity 1,000,000 evers Log Capacity 1,000,000 evers LD Dimension 230°160°45mm LED Bio-color controllable LEDs (Red, Green) USB memory slot 2 USB (Host) Communication Interface TCF/P(PR/45), RS232 / RS485, USB and wireless WIFI, GPRS/GSM, 3G Wiegand Interface 2 Wiegand in (Wg26-58) + 1 Wiegand Out(Wg26-58) GPIO port 4 Input, 4 output Relay output 3 relay outputs SD card One Secure Digital card slot. Battery Build-in Li-ON battery, 4.2V/ 2200mAH (option) Temper Proof Yes Operating temperature -0° C ~+50° C Operating temperature -10° C ~+60° C Operating temperature -10° C ~+60° C	Operating Voltage		Alternative: ext. power supply DC 9-24V; Power over Ethernet (PoE option), IEEE802.3at; Li-ON battery option				
Operation System LCD 7.0 inch WVGA touch screen Embedded 2.0M Pixel Digital Camera Door Phone Infrared sensor Sensing area Fingerprint Fingerprint Fingerprint Identification 1.1 mode; 1:N mode (1:1900; 1:9500 on request) User Capacity 100,000 users Log Capacity 1,000,000 users Log Capacity 1,000,000 users LED Bio-color controllable LEDs (Red, Green) USB memory slot Communication Interface GPIO port 4 input, 4 output Relay output S D card B attery S D card B attery Operating Humidity Ver C+60° C Operating Humidity 5%-90% relative humidity non-condensing		CPU	Up to 800MHz				
Camera Embedded 2.0M Pixel Digital Sensor Sonsing area 16.0°19.0mm Embedded 2.0mm Embe	Memory		256MB SLC Nand Flash + 256 MB mobile DDR SDRAM				
Camera Door Phone Microphone, 2W/8 OHM Speaker (controllable volume) Infrared sensor Detect approaching people and activate Touch Screen sensor Soudpi Optical Sensor Sensing area 16.0*19.0mm Image size FRR/FAR 0.001% / 0.1% Fingerprint Identification 1:1 mode; 1:N mode (1:1900; 1:9500 on request) Template Capacity 1900 or 9500 on request User Capacity 100,000 events Dimension 230*160*45mm LED Bio-color controllable LEDs (Red, Green) USB memory slot 200'8 (Host) Communication Interface Wiegand Interface Wiegand Interface 3 2 Wiegand in (Wg26-58) + 1 Wiegand Out(Wg26-58) Relay output 3 relay outputs SD card One Secure Digital card slot. Battery Bulld-in Li-ON battery , 4.2V/2200mAH (option) Temper Proof Yes Operating tumpidity 5%*90% relative humidity non-condensing	Operation System		Linux				
Door Phone Microphone, 2W/8 OHM Speaker (controllable volume)	LCD		7.0 inch WVGA touch screen				
Infrared sensor sensor Sensing area Image size FRR/FAR 0.001% / 0.1% Fingerprint Identification Template Capacity User Capacity Dimension LED Bio-color controllable LEDs (Red, Green) USB memoryslot Communication Interface Wiegand Interface Wiegand Interface GPIO port Relay output SD card One Secure Digital card slot. Battery Build-in Li-ON battery, 4.2V/2200mAH (option) Templer Proof Operating temperature -0° C~+50° C Operating temperature -0° C~+50° C Operating temperature -0° C~+60° C	Camera		Embedded 2.0M Pixel Digital Camera				
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Operating Humidity 5%~90% relative humidity non-condensing	Operating temperature		-0° C~+50° C				
	Storage temperature		-10° C~+60° C				
Indoor/outdoor Indoor	Operating Humidity		5%~90% relative humidity non-condensing				
	Indoor/outdoor		Indoor				

Specifications are subject to change without notice.

Related Products

Development Kit



With open platform, Software Development Kit (SDK) is offered for software integration and development by C++ / C language, use Qtopia framework and Qt-Creator development tool. It includes Development Tools, cross-compiler, Dynamic Library, Demo Software, User Manual, Peripheral Operation Examples and System Upgrade Kit, and robust API for RF contactless reader, Fingerprint etc. **uHTP** is plug and play testing and upgrading package, used for software program debugging and upgrading during GUI software development.

uTouch Software



PC/Cloud-based GUI & PC software from Partner can be offered with uTouch terminal for multiple application purpose. Friendly GUI software designed with intuitive menu bring advanced and comfortable touch experience for easily management. And powerful PC software solution is designed for single or network management on uTouch Terminal by simply one click.

Read more +

CIVINTEC is running software partner program with global software partners for various applications.

Welcome to join us at uTouch Partner Program.

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