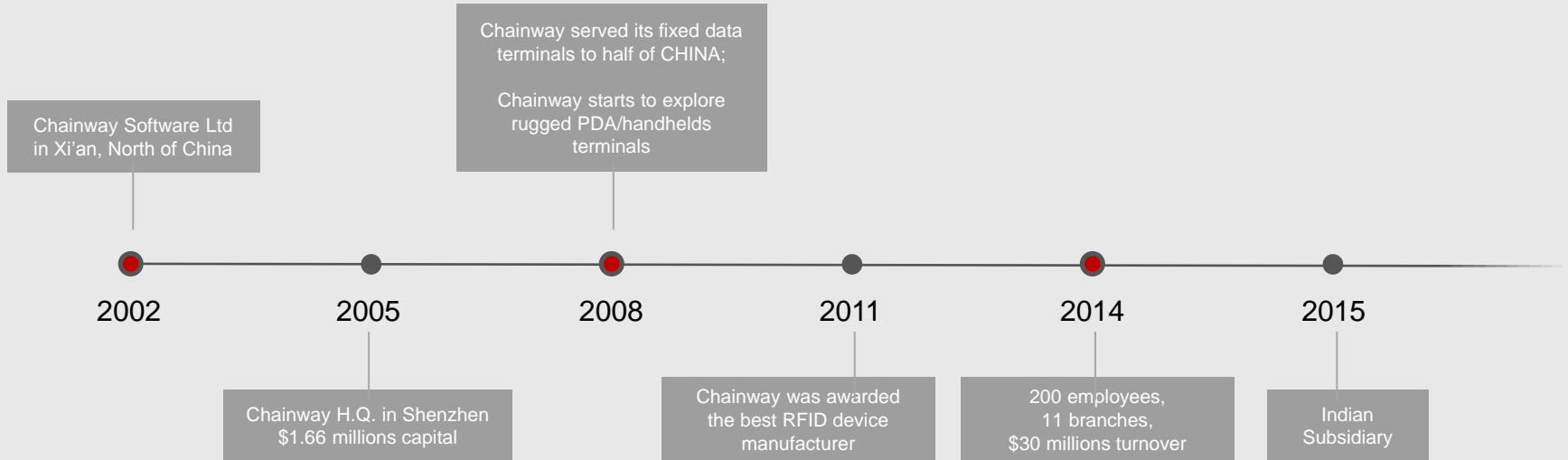




**Chainway (India) Pvt. Ltd.**

# About Chainway



## 1-2

## About Chainway

- Chainway is one of the leading professional manufacturers of rugged handheld data terminal in China, specialize in manufacturing and developing "All-in-one" handheld data terminal integrated with RFID reader/writer, 1D/2D barcode scanner and wireless communications.
- From last 9 years, We give our customers reliable hardware for data collection terminals that can make their mobile workers more productive, motivated and make their workflow more efficient.
- We do develop RFID technology in-house.
- Our Products to be compliant with CE,ROHS, FCC and CCC certification which serve customers from more than 60 countries.
- We provide:
  - I. Hardware of handheld RFID reader/writer, mobile data terminal, ruggedized industrial PDA
  - II. Multiple data capture technology of 1D barcode scanning, 2D image scanning, RFID read/write compatible with HF13.56MHz, LF125KHz, UHF840-960Mhz, internal GPS positioning and camera
  - III. Integrations of WWAN/LAN/PAN for data transmission in real-time
  - IV. Customizes product of all above functions
  - V. One-year warranty and extended paid service
- Chainway locates its headquarters in Shenzhen, China, expanded branches into other 11 cities and India.
- 200+ Employees, 40 of them are hardware or software engineer.
- Started operations in India as **Chainway (India) PVT. LTD** locates its office in Global Business Park, Gurgaon.

# Chainway Main Products Roadmap

604, Tower B, Global Business park, Gurgaon ,Haryana

**CHAINWAY®**

## Barcode



C3000 Wince Barcode



C2000 Wince Barcode



C4000 Android Barcode

## RFID



C3000 Wince RFID



C2000 Wince RFID



C4000 Android RFID



## Biometric



C3000 Wince



C4000 Android



C5000Z Wince



C5000F Wince



CWJ500



C5000W Handheld data terminal



Features:



NFC and RFID



Barcode, RFID and Fingerprint  
All-in-one design



IP64 Certified & 1.5M  
(4.9ft) Drop Resistance



Authorized WIN CE OS



Large battery capacity



Independent development  
After sale service assured



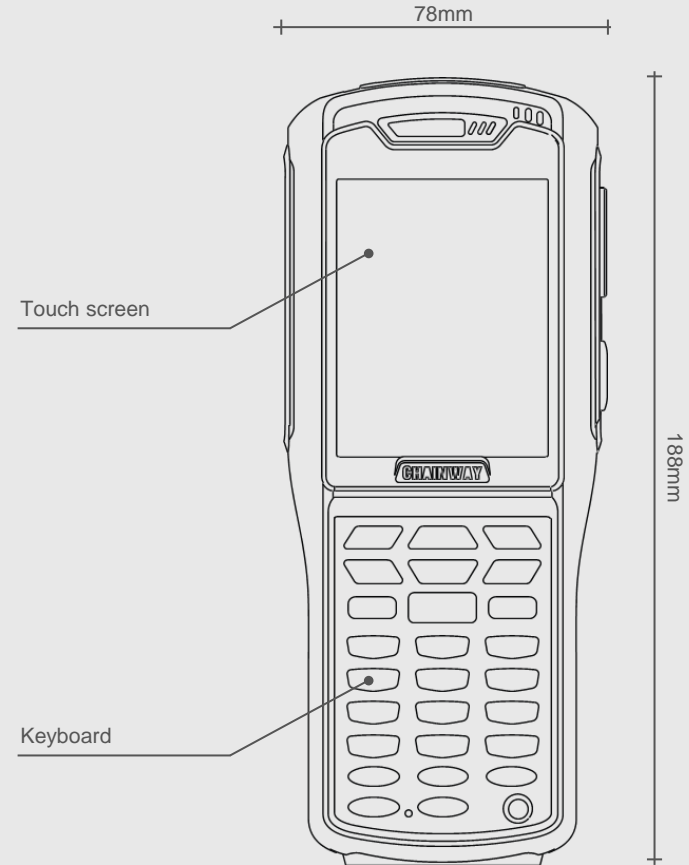
# C5000W Specification

604, Tower B, Global Business park, Gurgaon ,Haryana

**CHAINWAY®**

## Physical specification

Dimension	188mm×78mm×39mm / 7.40 × 3.07 × 1.54in.
Weight	342g / 12.06oz. (includes battery)
Display	3.2"TFT-LCD touch screen with backlight, 65K colors, 240 W x 320 L (QVGA)
Keypad	Numeric / full A-Z alphanumeric (Optional)
Battery	Rechargeable Li-ion polymer battery 4000mAh
Expansion slots	1PSAM, 1SIM/PSAM
Audio	0.5W speaker
Interfaces	USB2.0 Mini-B, serial port RS-232



## Performance Characteristics

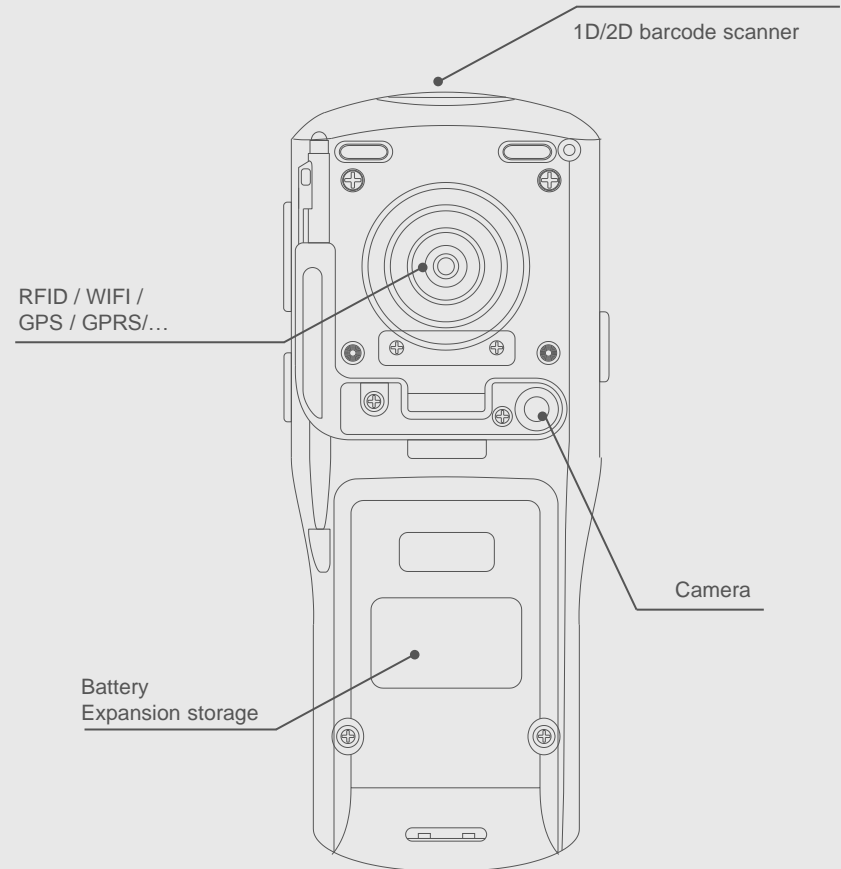
CPU	Samsung ARM920T@533MHz
RAM	128MB
Storage	1GB Flash, MicroSD (Max.32GB expansion)

## User Environment

Operating Temp.	-20 to 50°C / -4 to 122°F
Storage Temp.	-25 to 70°C / -13 to 158°F
Humidity	5%RH--95%RH(Non-condensing)
Drop Spec.	1.5m / 4.9ft. drop to concrete, 6 drops per 6 sides over operating temperature range
Sealing	IP64, IEC Compliance

## Programming Environment

Operating System	Windows Embedded CE6.0 Core Windows Embedded CE6.0 Pro (Optional)
SDK	Chainway software development kit
Languages	C#, C++, VB.NET
Tool	Microsoft Visual Studio 2005/2008





C5000U Handheld data terminal

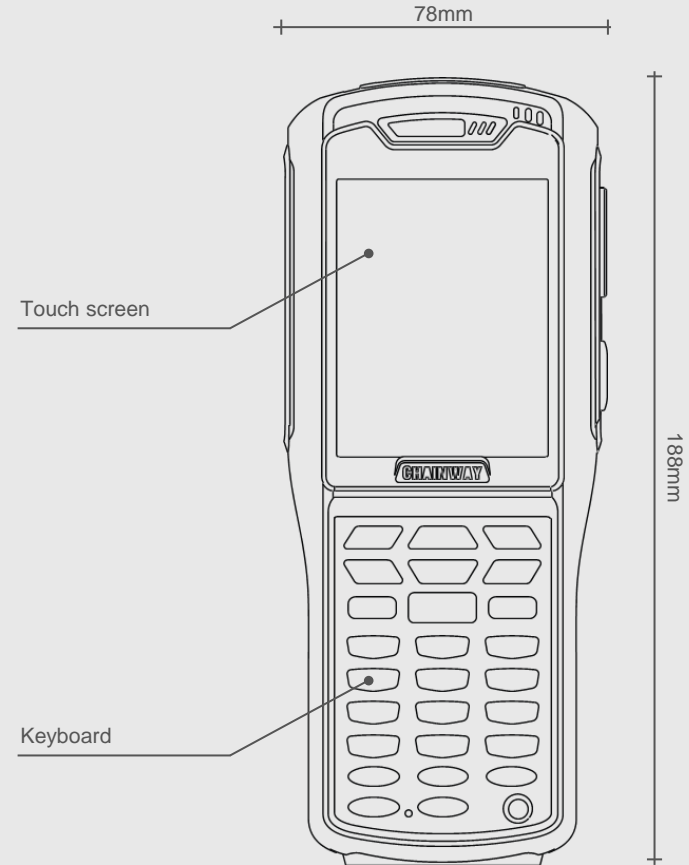
# C5000U Specification

604, Tower B, Global Business park, Gurgaon ,Haryana

**CHAINWAY®**

## Physical specification

Dimension	188mm×78mm×52mm / 7.40×3.07×2.05in.
Weight	450g / 15.87oz. (includes battery and UHF)
Display	3.2"QVGATFT-LCD touch screen with backlight, 65K colors, 240 W x 320 L
Keypad	Numeric / full A-Z alphanumeric (Optional)
Battery	Rechargeable Li-ion polymer battery 4000mAh
Expansion slots	1PSAM, 1SIM/PSAM
Audio	0.5W speaker
Interfaces	USB2.0 Mini-B, serial port RS-232



## Performance Characteristics

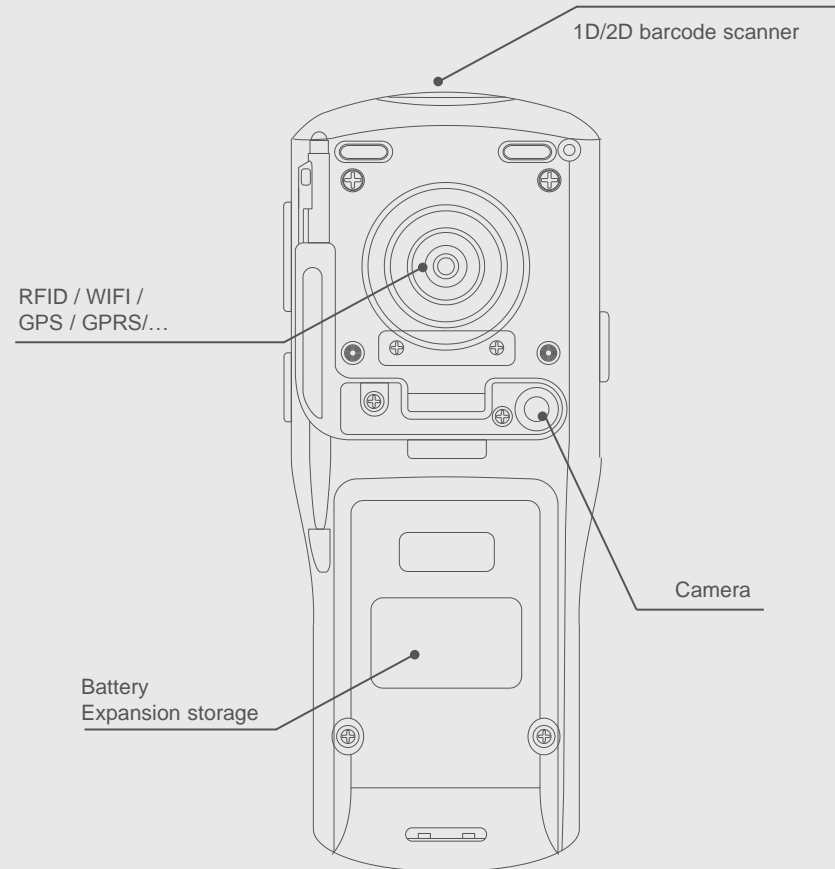
CPU	Samsung ARM920T@533MHz
RAM	128MB RAM
Storage	1GB Flash, MicroSD (Max.32GB expansion)

## User Environment

Operating Temp.	-20 to 50°C / -4 to 122°F
Storage Temp.	-25 to 70°C / -13 to 158°F
Humidity	5%RH--95%RH(Non-condensing)
Drop Spec.	1.5m / 4.9ft. drop to concrete, 6 drops per 6 sides over operating temperature range
Sealing	IP64, IEC Compliance

## Programming Environment

Operating System	Windows Embedded CE6.0 Core Windows Embedded CE6.0 Pro (Optional)
SDK	Chainway software development kit
Languages	C#, C++, VB.NET
Tool	Microsoft Visual Studio 2005/2008





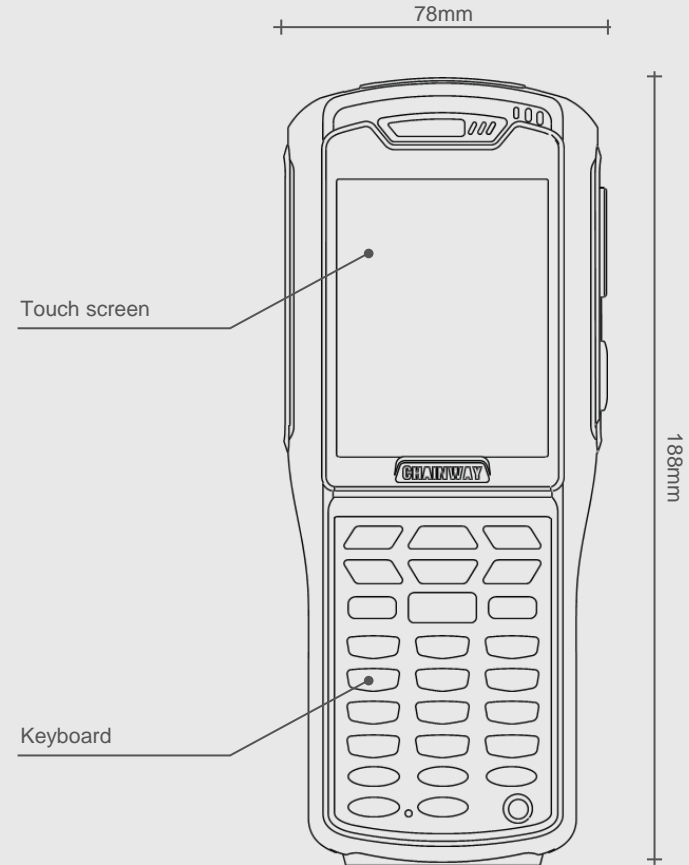
# C5000Z Specification

604, Tower B, Global Business park, Gurgaon ,Haryana

**CHAINWAY®**

## Physical specification

Dimension	188mm×78mm×52mm / 7.40×3.07×2.05in.
Weight	350g / 15.87oz. (includes battery and UHF))
Display	3.2"TFT-LCD touch screen with backlight, 65K colors, 240 W x 320 L
Keypad	Numeric / full A-Z alphanumeric (Optional)
Battery	Rechargeable Li-ion polymer battery 4000mAh
Expansion slots	1PSAM, 1SIM/PSAM
Audio	0.5W speaker
Interfaces	USB2.0 Mini-B, serial port RS-232



## Performance Characteristics

CPU	Samsung ARM920T@533MHz
RAM	128MB RAM
Storage	1GB Flash, MicroSD (Max.32GB expansion)

## User Environment

Operating Temp.	-20 to 50°C / -4 to 122°F
Storage Temp.	-25 to 70°C / -13 to 158°F
Humidity	5%RH--95%RH(Non-condensing)
Drop Spec.	1.5m / 4.9ft. drop to concrete, 6 drops per 6 sides over operating temperature range
Sealing	IP64, IEC Compliance

## Programming Environment

Operating System	Windows Embedded CE6.0 Core Windows Embedded CE6.0 Pro (Optional)
SDK	Chainway software development kit
Languages	C#, C++, VB.NET
Tool	Microsoft Visual Studio 2005/2008



**Data Capture**

Symbol 1D&amp;2D

**Fingerprint Sensor**

256x288 Size

**Card Reader**Contactless ISO14443/15693  
ISO11784/11785 FDX-B&HDX**GPS**

u-blox NEO-5Q

**Camera**

Samsung 3.2MP

**Wi-Fi**

IEEE 802.11 b/g

**GPRS**

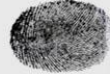
Dual/Quad Band

**Bluetooth**

Class II

**USB**

USB 2.0, Client

**CPU**

Samsung 533MHz

**Memory**

128MB RAM/1GB Flash

**Battery**

li-ionpolymer4000mAh

**Keyboard**

numeric/full alphanumeric





C2000 Handheld data terminal



## Features:



CCC and CE



Barcode, RFID  
portable design



IP54 Certificated & 1.2M  
(3.9ft) Drop Resistance



Authorized WIN CE OS



Large battery capacity



Independent development  
After sale service assured



# C2000 Specification

604, Tower B, Global Business park, Gurgaon ,Haryana

**CHAINWAY®**

## Physical specification

Dimension	148mm×71mm×31mm / 5.83×2.80×1.22in.
Weight	280g / 9.88oz. (includes battery)
Display	2.8"QVGA TFT-LCD touch screen with backlight, 240 × 320 resolution, 65K colors
Expansion slot	SIM, MicroSD (TF)
Interface	USB2.0 Mini-B
Battery	Rechargeable Li-ion polymer battery 3200mAh
Audio	0.5Watt speaker
Keypad	Numeric



## Performance Characteristics

CPU	Samsung ARM920T@533MHz
RAM	128MB
ROM	1GB Flash, MicroSD (Max.32GB expansion)

## User Environment

Operating Temp.	-20 to 50°C / -4 to 122°F
Storage Temp.	-25 to 70°C / -13 to 158°F
Humidity	5% - 95%RH (Non-condensing)
Tumble Spec	1,000 0.5m tumbles
Sealing	IP54, IEC Compliance
Drop Spec.	1.2m / 3.9ft. drop to concrete, 6 drops per 6 sides over operating temperature range

## Programming Environment

Operating System	Windows Embedded CE6.0 Core Windows Embedded CE6.0 Pro (Optional)
SDK	Chainway software development kit
Language	C#, C++, VB.NET
Tool	Microsoft Visual Studio 2005/2008





C3000 Handheld data terminal



## Features:

CCC and CE



Barcode, RFID  
New Fingerprint

IP64 Certified & 1.5M (4.31) Drop Resistance



Authorized WIN CE OS

Large battery capacity



Independent development  
After sale service assured



# C3000 Specification

604, Tower B, Global Business park, Gurgaon ,Haryana

**CHAINWAY®**

## Physical specification

Dimension	154mm×77mm×31mm / 6.06×3.03×1.22in.
Weight	330g / 11.64oz. (includes main battery)
Display	3.5" TFT-LCD touch screen with backlight, 65k colors, 240×320px
Keypad	Numeric or full alphanumeric, 3 side buttons
Batteries	Main bat. rechargeable li-ion battery 3200mAh Pistol bat. rechargeable li-ion battery 5200mAh (with pistol grip)
Expansion slots	1PSAM, 1SIM / PSAM
Audio	0.5Watt speaker
Interfaces	USB Micro-B, Client mode/Host mode (Optional) USB Mini-B (Optional), RS-232 interface



## Performance Characteristics

CPU	Cortex-A8, 800MHz
RAM	256MB RAM
Storage	4GB iNAND Flash MicroSD max.32GB expansion

## User Environment

Operating Temp.	-10 to 50°C / 14 to 122°F
Storage Temp.	-40 to 70°C / -40 to 158°F
Humidity	5% - 95%RH (Non-condensing)
Tumble Spec.	1,000times, 0.5m/1.6ft tumbles, in accordance with IEC tumble specification
Sealing / Drop Spec.	IP64 or IP65 (Optional); multiple 1.5m /4.9ft drops over operating temperature range, in accordance with MIL-STD 810G
ESD	+/-15kv VDC air discharge +/-8KV VDC direct discharge

## Programming Environment

Operating system	Windows Embedded CE6.0 Core Windows Embedded CE6.0 Pro (Optional)
SDK	Chainway software development kit
Language	C#, C++, VB.NET
Tool	Microsoft Visual Studio 2005/2008



# C3000UHF Specification

604, Tower B, Global Business park, Gurgaon ,Haryana

**CHAINWAY**<sup>®</sup>

## Physical specification

Dimension	192mm×87mm×151mm / 7.56×3.43 × 5.95in. (includes UHF module/antenna, pistol)
Weight	561g / 19.79oz. (includes UHF module / antenna, main battery, pistol (excludes battery)) 656g / 23.14oz. (includes UHF module / antenna, main battery, pistol (includes battery))
Display	3.5" TFT-LCD touch screen with backlight, 65k colors, 240×320px
Keypad	Numeric or full alphanumeric, 3 side buttons
Batteries	Main bat. rechargeable li-ion battery 3200mAh Pistol bat. rechargeable li-ion battery 5200mAh (with pistol grip)
Expansion slots	1PSAM, 1SIM / PSAM
Audio	0.5Watt speaker
Interfaces	USB Micro-B, Client mode/Host mode (Optional) USB Mini-B (Optional), RS-232 interface



## Performance Characteristics

CPU	Cortex-A8, 800MHz
RAM	256MB RAM
Storage	4GB iNAND Flash MicroSD max.32GB expansion

## User Environment

Operating Temp.	-10 to 50°C / 14 to 122°F
Storage Temp.	-40 to 70°C / -40 to 158°F
Humidity	5% - 95%RH (Non-condensing)
Tumble Spec.	1,000times, 0.5m/1.6ft tumbles, in accordance with IEC tumble specification
Sealing / Drop Spec.	IP64 or IP65 (Optional); multiple 1.5m /4.9ft drops over operating temperature range, in accordance with MIL-STD 810G
ESD	+/-15kv VDC air discharge +/-8KV VDC direct discharge

## Programming Environment

Operating system	Windows Embedded CE6.0 Core Windows Embedded CE6.0 Pro (Optional)
SDK	Chainway software development kit
Language	C#, C++, VB.NET
Tool	Microsoft Visual Studio 2005/2008







C4000 Industrial data terminal (Android)



## Features:

ISCC and CE,FCC,ROHS

IP64 Certified & 1.2M (3.9ft) Drop Resistance

Larger battery capacity



Barcode, RFID and Fingerprint  
New pistol



Authorized Android 4.0



Independent development  
After sale service assured



# C4000 Specification

604, Tower B, Global Business park, Gurgaon ,Haryana

**CHAINWAY®**

## Physical specification

Dimension 153mm×75mm×29mm / 6.02×2.95×1.14in.

Weight 286g / 10.08oz. (includes main battery)

Display 4" WVGA ( 480×800) TFT-LCD,  
capacitive dual touch

Keypad 3 function buttons, 3 side buttons,  
4 TP touch key-press buttons

Batteries Main bat. rechargeable li-ion battery 3200mAh  
Pistol bat. rechargeable li-ion battery 5200mAh  
(with pistol grip)

Expansion slots 1PSAM, 1SIM

Audio 0.5Watt speaker, build-in microphone

Interfaces USB Micro-B, serial port RS-232 (TTL)



## Performance Characteristics

CPU	Cortex-A9 1GHz Dual Core
RAM	1GB RAM
Storage	4GB Flash, MicroSD max.32GB expansion

## User Environment

Operating Temp.	-10 to 50°C / 14 to 122°F
Storage Temp.	-40 to 70°C / -40 to 158°F
Humidity	5% - 95%RH (Non-condensing)
Tumble Spec.	1,000times, 0.5m/1.6ft tumbles, in accordance with IEC tumble specification
Sealing / Drop Spec.	IP64 or IP65 (Optional); multiple 1.5m /4.9ft drops over operating temperature range, in accordance with MIL-STD 810G
ESD	+/-15kv VDC air discharge +/-8KV VDC direct discharge

## Programming Environment

Operating system	Android 4.0.4
SDK	Chainway software development kit
Language	JAVA
Tool	eclipse



# C4000UHF Specification

## Physical specification

Dimension	192mm×87mm×151mm / 7.56×3.43×5.95in. (includes UHF module/antenna, pistol)
Weight	361g / 12.73oz. (includes UHF module / antenna, main battery, pistol (excludes battery)) 456g / 16.08oz. (includes UHF module / antenna,main battery, pistol (includes battery))
Display	4" WVGA ( 480×800) TFT-LCD, capacitivedual touch
Keypad	4 TP keys, 3 function keys, 3 side buttons
Batteries	Main bat. (rechargeable li-ion polymer, 3.7V, 3200 mAh) Pistol bat. (rechargeable li-ion polymer, 3.7V, 5200 mAh)
Expansion	1PSAM, 1SIM
Audio	0.5Watt speaker, build-in microphone
Interfaces	USB Micro-B, serial port RS-232 (TTL)



## Performance Characteristics

CPU	Cortex-A9 1GHz Dual Core
RAM	1GB RAM
Storage	Build-in 4GB Flash, MicroSD (Max.32GB expansion)

## User Environment

Operating Temp.	-10 to 50°C / 14 to 122°F
Storage Temp.	-40 to 70°C / -40 to 158°F
Humidity	5%RH - 95%RH (Non-condensing)
Tumble	1,000 times, 0.5 m / 1.6ft, 6 contact surfaces, IEC compliance
Drop	1.2m / 3.9ft drop, 6 sides (concrete floor under operating temp.)
ESD	15KV air discharge, 8KV conductive discharge

## Programming Environment

Operating system	Android 4.0.4
SDK	Chainway software development kit
Language	JAVA
Tool	eclipse







## 收费停车场

编号: 海4042

白天 (7:00 - 21:00)

首小时内

小型车: 0.5元/15分钟

大型车: 1元/15分钟

首小时后

小型车: 0.75元/15分钟

大型车: 1.5元/15分钟

夜间 (21:00 - 7:00)

小型车: 1元/2小时

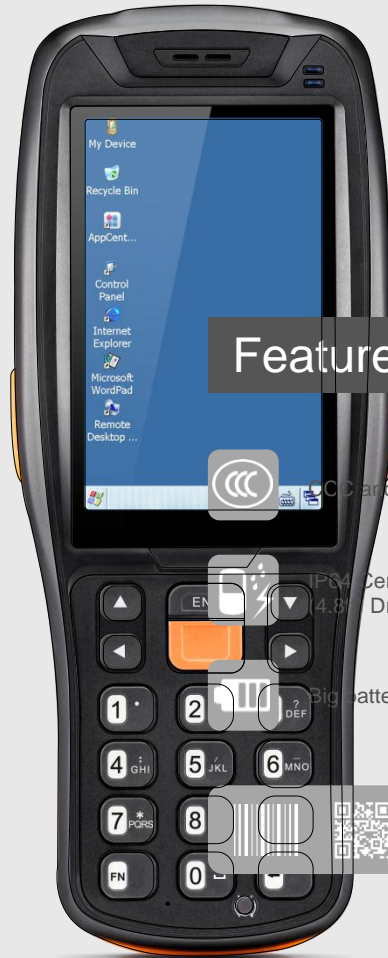
大型车: 2元/2小时

服务单位监督电话: 62634034

行业主管部门电话: 57251312

价格举报电话: 88497358

C5050 Printer-embedded handheld (terminal)



## Features:

Windows CE



Barcode, RFID and Printer  
All-in-one design

IP64 Certified & 1.5M  
4.3" Drop Resistance



Authorized WIN CE OS

Big battery capacity



Independent development  
After sale service assured



# C5050 Specification

604, Tower B, Global Business park, Gurgaon ,Haryana

**CHAINWAY®**

## Physical specification

Dimension 213mm×86mm× 54mm / 8.38×3.38×2.12in.

Weight 450g/15.87oz.  
(includes battery, printer and paper roll)

Display 4" LCD touch screen with backlight, 65k colors,  
480×800px

Expansion 1 SIM, 1 MicroSD, 2 PSAM

Interface USB 2.0 Mini-B interface

Audio Stereo speaker

Keypad Numeric keypad, 2 side buttons

Battery Rrechargeable li-ion polymer 3.7V 4500mAh



## Performance Characteristics

CPU	Samsung ARM920T@533MHz
Memory	128MB RAM
Storage	Build-in 1GB Flash, MicroSD (Max.32GB expansion)

## User Environment

Operating Temp.	-20 to 50°C / 14 to 122°F
Storage Temp.	-25 to 70°C / -40 to 158°F
Humidity	5%RH - 95%RH (Non-condensing)
Tumble	1,000 times, 0.5 m / 1.6ft, 6 contact surfaces
Drop	1.2m / 3.9ft drop, 6 sides (concrete floor under operating temp.)
ESD	15KV air discharge, 8KV conductive discharge

## Programming Environment

Operating system	Windows Embedded CE6.0 Core Windows Embedded CE6.0 Pro (Optional)
SDK	Chainway software development kit
Language	C#, C++, VB.NET
Tool	Microsoft Visual Studio 2005/2008

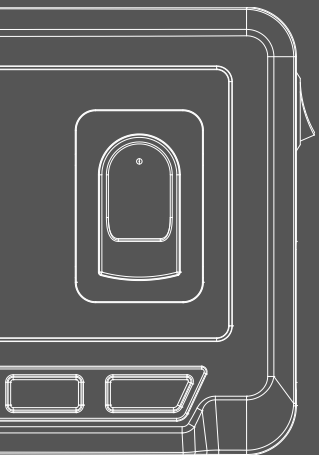


C4100 Coming Soon

604, Tower B, Global Business park, Gurgaon ,Haryana

**CHAINWAY®**

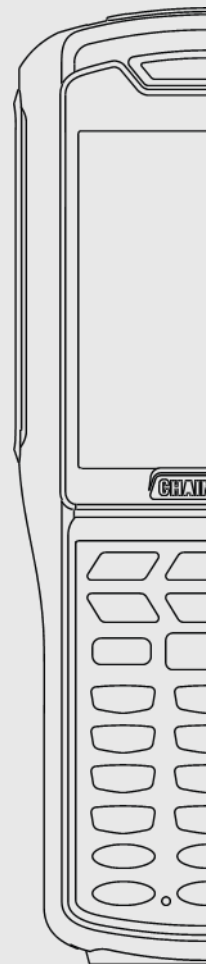




**Fixed data collection  
terminal series**

**Handheld terminal series**

■ CWJ500





CWJ500 Fixed data collection terminal

## Features:



Vehicle positioning and tracking



Remote capturing



Voice monitoring function



Identity authentication



Power-off protection function



Voice prompts function



GPS



RFID

## Main function

Vehicle positioning and tracking:	can transmit GPS positioning information (including longitude, latitude, speed and direction) and vehicle information back to service platform.
Remote capturing:	can capture photo information about current work of calculagraph through background server and the calculagraph can also take the initiative to upload photo information to the background server.
Voice monitoring function:	once the background issues monitoring instruction, calculagraph will automatically dial up to establish a voice call and the background can monitor conversation near calculagraph.
Identity authentication:	support contact-type and non-contact IC card read-write and prevent others' fraudulent use of credit card through verifying cardholder and fingerprint information in the card.
Power-off protection function:	the calculagraph has a feature of power-off protection. Once abnormal power-off occurs, calculagraph will enter protection status automatically and after starting up on the same day, it will automatically resume to the previous training state.
Voice prompts prompt function:	calculagraph possess excellent voice function and it will some important information through voice, such as GPS, GPRS connection, overspeed alarm information, etc.



**Physical Characteristics**

Dimensions 16.1cm×9cm×3.5cm

Weight 315g

**Card Type**

Contact IC card ISO/IEC7816

Contactless IC card ISO/IEC14443A

Deck service life 100000 times

**Fingerprint Verification**

Discrimination FRR: &lt;0.1% FAR: .001%

Fingerprint comparison unit ≤0.5s

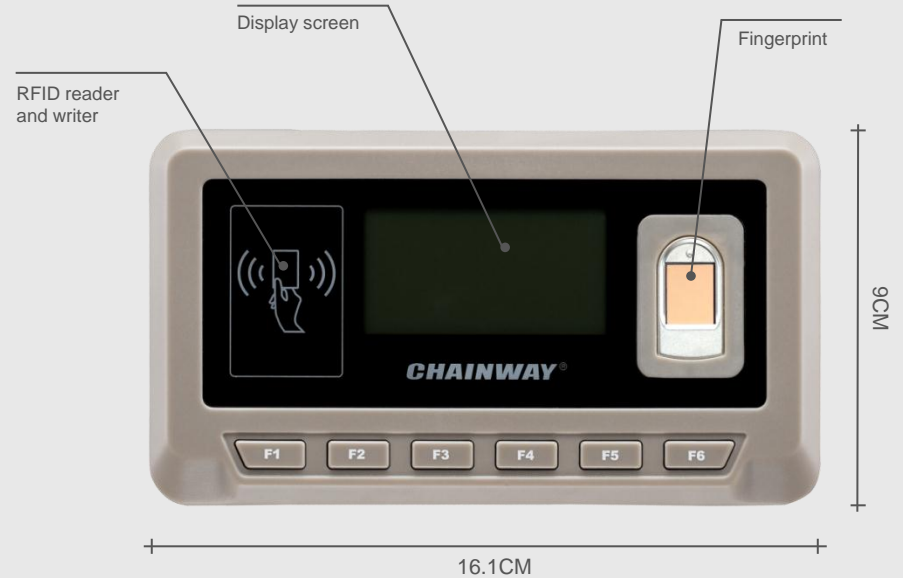
**Memory**

Data of storage time &gt;10 ys

Flash ROM 4MB FLASH

**Display**

Lattice / backlight 128\*64, LE

**Timing and mileageD**

Time accuracy: 1min

Mileage accuracy: 10m

GPS	
Position accuracy	5~10m
Cold start	≤45s
Normal start	≤35s
GPRS	
Frequency	GSM/GPRS(850,900,1800,1900MHz)
Camera	
Resolution ratio	320×240、640×480 pixel
Operating Environment	
Temperature	-20°C~70°C
Humidity	≤90%
Voltage and Current	
Operating voltage	5V
The range of input voltage	9~60V
Current margin	130~300mA





Alliance	Distributors	Business Partners	OEM	System Integrators	Carriers	Independent Software Vendors
<b>SAP</b>	<b>ScanSource</b>	<b>IBM</b>	<b>BOSCH</b>	<b>IconNicholson</b>	<b>Telefonica</b>	<b>Sysgold</b>
<b>SYBASE</b> An SAP Company				<b>accenture</b>	<b>america movil</b>	
<b>Deloitte</b>	<b>BlueStar</b> Four Solutions Member	<b>zetes</b>		<b>R4 Global Services</b>		<b>SHIPCOM</b>
<b>ORACLE</b>	<b>INGRAM MICRO</b>	<b>Manhattan Associates</b>	<b>GTECH</b> Architects of Gaming	<b>Raytheon</b>	<b>中国电信</b> CHINA TELECOM	<b>DEXTERRA</b>
<b>carvas</b>	<b>Winncom Technologies</b> Integrator of complex telecommunication solutions	<b>PEAK</b> PEAK MANAGEMENT		<b>CSC</b>	<b>Telstra</b>	<b>Active DECISIONS</b>
<b>Microsoft</b>	<b>TESSCO</b> delivering innovation	<b>SGLogic</b> delivering accountability	<b>CHAINWAY</b> 成为	<b>SAIC</b> From Science to Solutions		
<b>datamax-oneil</b> right by your customers		<b>STRATIX</b>				
<b>ZEBRA TECHNOLOGIES</b>	<b>WAV</b>	<b>BEARCOM</b> Wireless Worldwide	<b>BROCADE</b>	<b>LOCKHEED MARTIN</b>		
	<b>HUTTON</b> your wireless product experts	<b>WINCOR NIXDORF</b>		<b>NORTHROP</b>		
		<b>NETVERSANT</b> Inspiring Technology Solutions	<b>DEBOLD</b>	<b>UN</b>		



**THANK YOU**