



## C5000W

### Mobile Computer

Chainway's C5000W is a WindowsCE-based rugged mobile computer. With its flexible processor options and superior network connectivity, as well as the comprehensive data capture options, including LF/HF/UHF RFID reading, high performance 1D/2D and sensitive fingerprint scanning, GPS, Camera and etc, you can find this easy-to-deploy device an exceptionally valuable helper for your workers to increase their efficiency and productivity. With its highly customizable ability, enterprises can deploy this single device in many areas, including retail, warehouse management, logistics, asset management, healthcare, fleet management and etc.



#### WindowsCE Operating System

The C5000W is based on WindowsCE 6.0 system, with two high performance CPU options (Cortex-A8 800MHz processor and Samsung ARM920T 533MHz processor), plus a SD card slot that can add up to 32GB of memory.



#### Extensive Data Capture Functions

The C5000W can be integrated with best-in-class Zebra 1D/2D scanning engine, LF/HF/UHF RFID reading module, camera, GPS and PSAM. It allows users to choose data collection options as per industry need.



#### Rugged and Compact

The C5000W is highly rugged, compact and durable. With an IP64 water and dust proof capability, workers can drop this device on concrete, use it in dusty areas, even get it wet, and still expect reliable operation.



#### Fast Wireless Connectivity

Whether indoors or outdoors, the C5000W provides fast and stable network connectivity with a variety of wireless connection options including WCDMA, WiFi, Bluetooth and GPRS.



#### Powerful Battery and Ergonomic Design

With the 4000mAh large capacity battery, the C5000W enables non-stop operation over the working hours. And the user-friendly ergonomic design has made this device superiorly comfortable for your workers to use.



#### Highly Customizable

From a single function device to a fully featured enterprise mobile computer, this device delivers the best possible flexibility and diversity to satisfy a whole variety of application needs.

#### About Chainway

As a leading "Internet of Things" company in China, Shenzhen Chainway Information Technology Co., Ltd is a professional provider of products and solutions of RFID and barcode technology. Founded in 2005, Chainway, a high-tech enterprise, has won several times the title of the Best Provider of RFID Readers. Thousands of clients from over 100 countries have experienced our products in retail, logistics, transportation, healthcare, finance, security and manufacturing, etc. Through our nationwide offices, overseas subsidiary and an extensive partner network, we aim to provide high quality service to our clients.



1D Barcode



2D Barcode



RFID



3G



WiFi



Bluetooth



GPS



Camera

## Physical Characteristics

Dimensions	188mm x 78mm x 39mm/ 7.40 x 3.07 x 1.54in
Weight	342g/12.06oz
Display	3.2" QVGA (240*320), 6.5M colors
Touch Panel	Rugged resistive touch panel
Power	Main battery: Li-ion, 4000mAh
Expansion Slot	1 PSAM, 1 SIM / PSAM, 1 MicroSD(TF) slot
Interfaces	USB Micro-B, RS-232
Audio	0.5W speaker
Keypad	Numeric / Qwerty

## Performance

### 3G version

CPU	Cortex-A8 800MHz
RAM	256MB
ROM	4GB
Expansion	Supports up to 32GB Micro SD card

### 2G version

CPU	Samsung ARM920T@533MHz
RAM	128MB
ROM	1GB
Expansion	Supports up to 32 GB Micro SD card

## Developing Environment

Operating System	Windows Embedded CE 6.0
SDK	Chainway Software Development Kit
Language	C++, C#, VB.NET
Tool	Visual Studio 2005/2008

## User Environment

Operating Temp.	-14°F to 122°F / -10°C to 50°C
Storage Temp.	-40°F to 158°F / -40°C to 70°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.2m drops to concrete across the operating temperature range, meets and exceeds
Tumble Specification	MIL-STD810G 1000 x 0.5m/1.64ft falls at room temperature
Sealing	IP64

## Other Modules (Optional)

Camera	3.2MP autofocus camera
PSAM	ISO7816 Protocol, 2 PSAM slots (maximum)

## Barcode Scanning (Optional)

### 1D Linear Scanner

1D Laser / CCD	Symbol SE965/EM-1350
Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.

### 2D Imager Scanner

2D CMOS Laser Scanner	Symbol SE4500
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

## RFID (Optional)

<b>LF</b>	
Frequency	125kHz, 134kHz (FDX-B / HDX)
Protocol	ISO11784/5, ISO18000-2
Chips	R/O ID card, eg EM4100/4200, TK4100 R/W ID card, eg EM4305/HITAG S Animal tags Others for customization
Range	3-8cm
<b>HF</b>	
Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693
Chips	M1 card (S50/S70), M0 (Ultralight), M3 (Desfire D40/D41/D81), CPU_A card CPU_B card ICODE II, T12048, LRI64K Others for customization
Range	3-8cm
<b>HID iCLASS SE</b>	
Frequency	13.56MHz/125KHz
Protocol	ISO1443A/B, ISO15693, FeliCa CEPAS(CSN), HID Prox
Chips	HID: iClassic' Standard/SE/Seos HID Prox card

## Communication (Optional)

WLAN	IEEE802.11 b/g/n GPRS(850/900/ 1800/ 1900MHz) WCDMA(900/ 2100MHz)
WWAN (3G version)	WCDMA(850/ 2100MHz) WCDMA(850/ 1900MHz) CDMA2000 EVDO: 800MHz
WWAN (2G version)	GPRS(850/900/1800/1900MHz)
Bluetooth	Bluetooth 2.0+EDR
GPS	UBLOX NEO-6M (Low power consumption) UM200-III GNSS module, supports BD/GPS

## Accessories



AC Adapter



USB cable



Battery charger (Optional)



Serial port (Optional)



Cradle (Optional)



Carrying case (Optional)

Notice: Product specifications are subject to change without notice. / Version: C5000W V2.1.0 / Update Date: 2017-03-09

