



## C3000 UHF

### Mobile Computer

Chainway's C3000UHF mobile computer provides high performance UHF RFID reading/writing capability. It is designed to support EPC C1 GEN2 / ISO18000-6C protocol, and equipped with class leading R2000 UHF module or cost-effective UHF module that covers frequency ranges for most areas. This versatile device can also be configured with class leading high performance 1D/2D barcode scanning and a variety of wireless connections such as Bluetooth, 3G, and WiFi. With its highly customizable ability, enterprises can deploy this single device in many areas, including asset management, retail, warehouse management, fleet management and etc.



#### Powerful Application Performance

The C3000UHF is based on WindowsCE 6.0 system, features the fast and powerful Cortex-A8 800MHz processor, together with 256MB of RAM, 4GB build-in flash storage, plus a SD card slot that can add up to 32GB of memory.



#### Extensive Data Capture Functions

The C3000UHF can also be integrated with best-in-class Zebra 1D/2D barcode scanning engine, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.



#### Powerful Battery

With the embedded 3200mAh main battery and the 5200mAh pistol battery, the C3000UHF enables non-stop operation over the full working day.



#### Superior UHF RFID Reading Capability

The C3000UHF provides new levels of UHF RFID reading performance. It can be configured with class-leading R2000 UHF module or cost-effective UHF module, together with two kinds of high performance antenna options.



#### Fast Wireless Connectivity

Whether indoors or outdoors, the C3000UHF provides fast and stable network connectivity with a variety of wireless connection options including WCDMA, WiFi, Bluetooth and GPRS.



#### 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.



## Physical Characteristics

Dimensions	192mm x 87mm x 151mm/ 7.56 x 3.43 x 5.94in
Weight	656g/ 23.14oz
Display	3.5" QVGA (240*320), 6.5M colors
Touch Panel	Rugged resistive touch panel
Power	Main battery: Li-ion, 3200mAh Pistol battery: Li-ion, 5200mAh
Expansion Slot	1 PSAM, 1 SIM/PSAM 1 MicroSD(TF)
Interfaces	MicroUSB(OTG)
Audio	0.5W speaker
Keypad	Numeric / Qwerty

## Performance

CPU	Cortex-A8 800MHz
RAM	256MB
ROM	4GB
Expansion	Supports up to 32GB 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 1.5m drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.64ft falls at room temperature
Sealing	IP65

## Communication (Optional)

WLAN	IEEE802.11 b/g/n IEEE802.11 a/b/g/n GPRS(850/900/1800/1900MHz) WCDMA(900/2100MHz)
WWAN	WCDMA(850/2100MHz) WCDMA(850/1900MHz) CDMA2000 EVDO:800MHz
Bluetooth	Bluetooth 2.0+EDR
GPS	UBLOX NEO-6M (Low power consumption)

## Barcode Scanning (Optional)

1D Linear Scanner	
1D Laser / CCD	Symbol SE965
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

UHF	
Frequency	865MHz-868MHz / 920-925MHz / 902-928MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Linear polarization (1.8dBi) Circular polarization (2.5dBi)
Power	1W (+10dBm to +30dBm)
R/W ranges	Option1(R2000), up to 4.5m Option2, up to 2m (Ranges depend on tags and environment)
Reading rates	200 tags/s

## Biometric (Optional)

Functions	Enrollment, compare, deletion etc.
Sensor	TCS2SS
Sensor Type	Capacitive Sensor
Resolution	508DPI
Memory	1,000 PCS fingerprints

## PSAM (Optional)

Slots	2 PSAM slots (maximum)
Protocol	ISO7816

## Accessories



AC Adapter



Snap-on



USB cable



Cradle



Pistol



Fingerprint Snap-on (Optional)



Carrying case (Optional)

Notice: Product specifications are subject to change without notice. / Version: C3000UHF V2.1.0 / Update Date: 2017-03-09



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