

**CHAINWAY**



# C3000 UHF

UHF RFID Reader



Windows



WiFi



Fingerprint



2D Barcode



UHF



1D Barcode

Chainway C3000UHF mobile computer provides high performance UHF RFID capability. It supports EPC C1 GEN2 / ISO18000-6C protocol, and can be equipped with class leading R2000 UHF module or cost-effective UHF module. Enterprises can deploy it in asset management, retail, warehousing, fleet management and etc.



# Specification

## Physical Characteristics

Dimensions	192mm x 87mm x 151mm/ 7.56 x 3.43 x 5.94in
Weight	743g/ 26.21oz
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 MicroSD(TF) slot
Interfaces	MicroUSB(OTG)
Audio	0.5W speaker
Keypad	Numeric / Qwerty

## Performance

CPU	Cortex-A8 800MHz
RAM+ROM	256MB+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.	-4°F to 122°F / -20°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	Host IP65 per IEC sealing specifications

## Communication

WLAN	IEEE802.11 a/b/g/n
------	--------------------

## Barcode Scanning (Optional)

### 1D Linear Scanner

1D Laser / CCD	Honeywell N4313/ Zebra 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	Zebra 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

Engine	CM2000-1 module, based on Impinj Indy R2000
Frequency	865MHz-868MHz / 920-925MHz / 902-928MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Linear polarization (1.8dBi); circular polarization (4dBi)
Power	1W (30dBm, +5dBm to +30dBm adjustable)
R/W range	>22m (circular polarization, indoors); >8m (circular polarization, open outdoors); >4.5m (linear polarization, open outdoors);
Reading rate	>200 tags/s (circular polarization)

\* Range and rate depend on tags and environment

## Fingerprint (Optional)

Functions	Fingerprint enrollment, match, storage etc.
Sensor	TCS1 / TCS2SS (Capacitive)
Image Size (pixel)	TCS1: 256*360; TCS2SS: 208*288
Sensing Area (mm)	TCS1: 12.8*18; TCS2SS: 10.4*14.4
Resolution (dpi)	508
Standard	TCS1: FIPS, STQC; TCS2SS: ISO

## Accessories (See details in Accessory Guide)



AC Adapter



Snap-on



USB cable



Cradle(Optional)



Pistol(Optional)



Fingerprint (Optional)



Carrying holster (Optional)

Notice: Product specifications are subject to change without prior notice. / Model: C3000 UHF / Update Date: 2020-03-24

**CHAINWAY®**

Shenzhen Chainway Information Technology Co., Ltd

Address: 9F, Building2, Phase 2, Gaoxinqi Industrial Park, Liuxian 1st Rd., Bao'an District, Shenzhen, Guangdong 518102, China

Tel: 0086-755-23223316

Fax: 0086-755-23223310

Email: sales@chainway.cn

Web: <http://www.chainway.net>