

# C3000-UHF

## UHF RFID MOBILE HANDHELD COMPUTER



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 others.



### **Powerful Application Performance**

The C3000 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 Options**

The C3000 can be integrated with best-in-class Zebra 1D/2D scanning engine, sensitive fingerprint snap-on and GPS. It allows to choose data collection options per industry needs.



### **Powerful Battery**

With the 3200mAh main battery and the optional 5200mAh pistol battery, you can be confident that your device can always deliver results when you need it to.



### **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 C3000 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



## Physical Characteristics

Dimensions	154mm x 77mm x 31mm
Weight	345g
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 (Optional)
Expansion Slot	1 PSAM 1 SIM/PSAM 1 MicroSD(TF) slot
Interfaces	USB Micro-B (OTG)
Audio	0.5W speaker, build-in microphone
Keypad	Numeric / Qwerty

## Performance

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

## Developing Enviroment

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

## User Enviroment

Operating Temp.	-10°C to 50°C
Storage Temp.	-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 falls at room temperature
Sealing	IP65

## Communication (Optional)

WLAN	IEEE802.11 b/g IEEE802.11 a/b/g/n
WWAN	GPRS Quad Band (850/900/1800/1900MHz) WCDMA (850/1900/2100MHz) CDMA 2000 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)
Range	Option1(R2000), up to 4.5m Option2, up to 2m Ranges depend on tags and environment)

## Other Modules (Optional)

PSAM	ISO7816 Protocol, 2 PSAM slot
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## Biometric (Optional)

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

## Accessories



AC Adapter



Snap On



USB Cable



Cradle



Pistol



Fingerprint Snap-on (Optional)



Carrying case (Optional)

AUTHORIZED DISTRIBUTOR

C3000-UHF V1.0EN



TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

## CHAINWAY®

Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld rfid reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globe. We work with a worldwide network of distributors, system integrators and software developers to offer complete and professional data collection solutions to customers from a variety of areas.

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