CHAINWAY ®

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.

ISO 9001 UCC   CE   CCC   RoHS

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 Motorola 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-effctive 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

Chainway is a leading manufacturer of rugged mobile computers and fixed data terminal in China. Founded in 2005, headquaters 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 works 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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65182		RFID		3G			
1D Barcode	2D Barcode	RFID	Fingerprint	3G	WiFi	Bluetooth	GPS

Accessories

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°Fto 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
WWAN	GPRS(850/900/1800/1900MHz)
	WCDMA(900/2100MHz)
	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/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

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)

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

AC Adapter

Snap-on

USB cable

Cradle

Pistol

Fingerprint Snap-on (Optional)

Carrying case (Optional)

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