CHAINWAY ®

C4000 UHF
Mobile Computer

Chainway's C4000UHF 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

Most Powerful Application Performance
The C4000UHF is based on Android 4.4.2 system, features the fast and powerful quad core 1.3GHz processor, together with 1GB 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 C4000UHF 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 C4000UHF enables non-stop operation over the full working day.

Superior UHF RFID Reading Capability
The C4000UHF 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 C4000UHF provides fast and stable network connectivity with a variety of wireless connections 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.

CHAINWAY®

1D Barcode	2D Barcode	RFID	Fingerprint	3G	WiFi	Bluetooth	GPS

Physical Characteristics

Dimensions	192mm x 87mm x 151mm/ 7.56 x 3.43 x 5.94in
Weight	456g/ 16.08oz
Display	4'' WVGA (480*800), 16.7M colors
Touch Panel	Rugged capacitive touch panel
Power	Main battery: Li-ion, 3200mAh
	Pistol battery: Li-ion, 5200mAh
Expansion Slot	1 PSAM, 1 SIM, 1 MicroSD(TF) slot
Interfaces	USB Micro-B
Audio	0.5W speaker, build-in microphone
Keypad	4 TP touch key-press buttons
Sensors	Light Sensor, Proximity Sensor

Performance

CPU	Cortex-A7 1.3GHz quad-core
RAM	1GB
ROM	4GB
Expansion	Supports up to 32GB Micro SD card

Developing Environment

Operating System	Android 4.4.2
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

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 1.2m drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.64ft falls at room temperature
Sealing	IP64

Communication

WLAN	IEEE802.11 b/g/n
WWAN	GSM/GPRS/EDGE Quad Band (850/900/1800/1900MHz)
	WCDMA (850/1900/2100MHz)
Bluetooth	Bluetooth 4.0
GPS	GPS, AGPS

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 SE4750
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)