



C3000

Mobile Computer

Chainway's C3000 is a WindowsCE-based rugged mobile computer, featuring a powerful 800MHz processor and best in class battery performance. It can be integrated with a variety of data capture functions including LF/HF/UHF RFID reading, high-performance 1D/2D and sensitive fingerprint scanning, GPS, Camera and etc. This compact device is IP65 rated, the contained dust and water proof structure ensures its high ruggedness and durability. With its highly customizable ability, enterprises can deploy this single device in many areas, including retail, warehouse management, logistics, asset tracking, fleet management, animal management and etc.



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, LF/HF/UHF RFID reading module, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.



Rugged and Compact

The C3000 is highly rugged, compact and durable. With an IP65 water and dust proof capability, workers can drop this device on concrete, use it in dusty areas, even get it wet, and still expect reliable operation.



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.



Powerful Battery

With the 3200mAh main battery and the optional 5200mAh pistol battery, you can be confident that your C3000 can always deliver results when you need it to.



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	154mm x 77mm x 31mm/ 6.06 x 3.03 x 1.22in
Weight	345g/ 12.17oz
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)
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 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)

Other Modules (Optional)

Camera	5MP autofocus camera with flash
PSAM	ISO7816 Protocol, 2 PSAM slots (maximum)

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 (Optional)

LF	
Frequency	125kHz, 134kHz (FDX-B / HDX)
Protocol	ISO11784/5, ISO18000-2 R/O ID card, eg EM4100/4200, TK4100 R/W ID card, eg EM4305/HITAG S
Chips	Animal tags Others for customization
Range	3-8cm
LF (with external antenna)	
Frequency	134kHz (FDX-B+HDX)
Protocol	ISO11784/5
Chips	Animal tags Others for customization
Range	3-12cm, external antenna 3-20cm, with a 75cm extension antenna
HF	
Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693 M1 card (S50/S70), M0 (Ultralight), M3 (Desfire D40/D41/D81), CPU_A card CPU_B card ICODE II, TI2048, LRI64K Others for customization
Range	3-8cm

* For the UHF specifications, please check C3000UHF specification sheet

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 (Optional)



Pistol (Optional)



Fingerprint Snap-on (Optional)



Carrying case (Optional)

Notice: Product specifications are subject to change without notice. / Version: C3000 V2.1.0 / Update Date: 2017-03-09

