

CHAINWAY



C3000 UHF

UHF RFID Reader



Windows



3G



WiFi



Bluetooth



1D Barcode



2D Barcode



UHF



Fingerprint



PSAM



GPS

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 PSAM, 1 SIM/PSAM, 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
WWAN (Optional)	GPRS(850/900/1800/1900MHz)
	WCDMA(900/2100MHz)
	WCDMA(850/2100MHz)
	WCDMA(850/1900MHz)
	CDMA2000 EVDO:800MHz

Bluetooth	Bluetooth 2.0+EDR
GPS (Optional)	UBLOX NEO-6M (Low power consumption)

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

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	>4.5m (linear polarization); >8m (circular polarization)
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: 256x360; TCS2SS: 208x288
Sensing Area (mm)	TCS1: 12.8x18; TCS2SS: 10.4x14.4
Resolution (dpi)	508
Standard	TCS1: FIPS, STQC; TCS2SS: ISO

PSAM (Optional)

Slots	2 PSAM slots (maximum)
Protocol	ISO7816

Accessories



AC Adapter



Snap-on



USB cable



Cradle



Pistol



Fingerprint (Optional)



Carrying holster (Optional)

Notice: Product specifications are subject to change without prior notice. / Model: C3000 UHF / Update Date: 2018-05-24

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