

CHAINWAY



C4050 UHF

UHF RFID Reader



Android



4G



WiFi



Bluetooth



1D Barcode



2D Barcode



UHF



Fingerprint



Infra Red



PSAM



GPS

CHAINWAY C4050UHF is an Android rugged mobile computer. It features powerful quad-core processor and fast wireless connections, as well as comprehensive data capture options, like the class-leading UHF capability. It performs perfectly well in retail, logistics, express delivery, warehousing, energy and chemical industry, etc.



Specification

Physical Characteristics

Dimensions	213mm x 87mm x 151mm/ 8.39 x 3.43 x 5.94in
Weight	721g/ 25.43oz
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	Numeric / Qwerty
Sensors	Light sensor, proximity sensor

Performance

Option 1	CPU: Qualcomm 1.3 GHz quad-core
	RAM+ROM: 2GB+16GB
Option 2	CPU: Qualcomm 1 GHz quad-core
	RAM+ROM: 1GB+8GB
Expansion	Supports up to 32GB Micro SD card

Developing Environment

Operating System	Android 5.1
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

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 1.2m/3.9ft drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.64ft falls at room temperature
Sealing	Host IP64 per IEC sealing specifications

Communication

WLAN	IEEE802.11 a/b/g/n
	2G: GPRS (900/1800MHz)
WWAN(E)	3G: WCDMA B1 B8
	4G: FDD-LTE: B1 B3 B7 B8 B20
WWAN(N)	2G: GPRS (850/1900MHz)
	3G: WCDMA B1 B2 B5
WWAN(C)	4G: FDD-LTE: B2 B4 B7 B17
	2G: GPRS (850/900/1800MHz)
WWAN(C)	3G: WCDMA: B1
	CDMA EVDD: EVDD Rev.A800MHz
WWAN(C)	TD-SCDMA: B34, B39
	4G: TDD-LTE: B38 B39 B40 B41
WWAN(C)	FDD-LTE: B1 B3

Bluetooth	Bluetooth 4.0
GNSS	GPS, AGPS

Barcode Scanning (Optional)

1D Linear Scanner	
1D Scan Engine	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 (Optional)

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	>6m (linear polarization); >10m (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: 12.8*18; TCS2SS: 10.4*14.4
Sensing Area (mm)	TCS1: 256*360; TCS2SS: 208*288
Resolution (dpi)	508
Standard	TCS1: FIPS, STQC; TCS2SS: ISO

InfraRed (Optional)

Wavelength	940nm
Frequency	38kHz
Range	> 4m
Protoc	DLT_645-2007

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: C4050 UHF / Update Date: 2018-05-24

CHAINWAY®

Shenzhen Chainway Information Technology Co., Ltd

Address: 9F, Building2, Phase 2, Gaoxinqi Industrial Park, Liuxian 1st Rd., Bao'an District, Shenzhen, Guangdong 518102, China

Tel: 0086-755-23223316

Fax: 0086-755-23223310

Email: sales@chainway.cn

Web: http://www.chainway.net