

# C4050-UHF

## ENHANCED UHF RFID MOBILE HANDHELD COMPUTER



C4050UHF 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.

### ***Powerful Application Performance***

The C4050 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.

### ***UHF RFID Reading Capability***

The C4050UHF provides new levels of UHF RFID reading performance. It can be configured with class-leading R2000 UHF module or cost-effective UHF module, together with two kinds of high performance antenna options.

### ***Extensive Data Capture Options***

The C4050 can be integrated with best-in-class Zebra 1D/2D scanning engine, LF/HF/UHF RFID or NFC reading module, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.

### ***Fast Wireless Connectivity***

The C4050 provides enterprises with anywhere, anytime real-time connectivity by a variety of wireless connections 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 device 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



## Physical Characteristics

Dimensions	153mm x 75mm x 29mm
Weight	286g
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 (Optional)
Expansion Slot	1 PSAM 1 SIM/PSAM 1 MicroSD(TF) slot
Interfaces	USB Micro-B (OTG)
Audio	0.5W speaker, build-in microphone
Keypad	Numeric / Qwerty
Sensor	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 Enviroment

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

## User Enviroment

Operating Temp.	-10°C to 50°C
Storage Temp.	-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 falls at room temperature
Sealing	IP64

## Communication

WLAN	IEEE802.11 b/g/n
WWAN	GPRS Quad Band (850/900/1800/1900MHz) WCDMA (850/1900/2100MHz) CDMA 2000 EVDO:800MHz
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 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)
Range	Option1(R2000), up to 4.5m Option2, up to 2m (Ranges depend on tags and environment)

## Other Modules (Optional)

PSAM	ISO7816 Protocol, 2 PSAM slot
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## 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



Pistol



Fingerprint Snap-on (Optional)



Carrying case (Optional)

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