

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 customisable ability, enterprises can deploy this single device in many areas, including asset management, retail, warehouse management, fleet management and etc.



C4050 specifications

Physical Characteristics

Dimensions	176*75*29mm
Weight	292gr
Display	4" WVGA 480*800 16,7M Colors
Touch Panel	Rugged Dual touch Capacitive Tough panel
Power	Main battery: Li-ion, rechargeable, 3200mAh Pistol Battery: Li-ion rechargeable 5200mAh (optional)
Expansion Slot	1 slot for SIM card, 1 slot for PSAM cards, 1 slot MicroSD(TF card)
Interfaces	USB2.0 Type-B, OTG
Audio	Speaker, microphone
Keypad	2Side Keys Configurable, Numeric or QWERTY Keyboard
Sensors	Light Sensor, Proximity Sensor

Performance

CPU	Cortex A7 Quad-core 1,3GHz
RAM+ROM	1GB+4GB
Expansion	Supports up to 32 GB 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.	-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 the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m falls at room temperature
Sealing	IP64 per IEC sealing specifications
ESD	±8KV air discharge, ±4KV conductive discharge

Biometric (Optional)

Functions	Enrollment, compare, deletion etc.
Sensor	TCS25S
Sensor Type	Capacitive Sensor
Resolution	508DPI
Memory	1.000 PCS Fingerprints

Communication

WLAN	IEEE802.11 b/g/n
WWAN(Europe)	GPRS Quad Band (850/900/1800/1900MHz) 3 WCDMA (850/1900/2100MHz) CDMA 2000 EVDO:800MHz
Bluetooth	Bluetooth 4.0
GNSS	GPS/AGPS,

RFID (Optional)

UHF	
Frequency	865MHz-868MHz / 920-925MHz / 902-928MHz
Protocol	IEPC 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)

Barcode Scanning (Optional)

1D Scan Engine	Zebra SE965
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Scan Engine	Symbol SE4500
2D 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.

Infrared (Optional)

Wavelength	940nm
Frequency	38KHz
Range	> 4m

Other Modules (Optional)

Rear Camera	5MP autofocus camera with flash
PSAM	ISO7816 Protocol, 2 PSAM slot



Numeric Keyboard Layout



Snap-On



Charging Cradle



Pistol Grip



Finger Print



Carrying Bag

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