C4050-UHF

ENHANCED UHF RFID MOBILE HANDHELD COMPUTER



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.





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.

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

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.

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-effctive UHF module, together with two kinds of high performance antenna options.

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.

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



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Accessories

Physical Characte	
Dimensions	153mm x 75mm x 29mm
Weight	286g
Display	4" WVGA (480*8000), 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 SIM/PSAM 1 MicroSD(TF) slot
Interfaces	USB Micro-B (OTG)
Audio	0.5W speaker, build-in microphone
Keypad	Numeric / Qwertv
Sensor	Light Sensor, Proximity Sensor
	Light Sensor, Froximity Sensor
Performance	
CPU	Cortex-A7 1-3GHz quad-core
RAM	1GB
ROM	4GB
Expansion	Supports up to 32GB Micro SD card
Developing Enviro	ment
Operating System	Android 4.4.2
SDK	Software Development Kit
Language	Java
Tool	Eclipse / Android Studio
	Estipos / Anarola etadio
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

AUTHORIZED DISTRIBUTOR

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 (Opti	ional)
PSAM	ISO7816 Protocol, 2 PSAM slot
Biometric (Optional)	
Functions	Enrollment, compare, deletion etc.
Sensor	TCS2SS
Sensor Type	Capacitive Sensor
Resolution	508DPI
Memory	1,000 PCS fingerprints





Snap On



USB Cable



Cradle



Pistol



Fingerprint Snap-on (Optional)



(Optional)

C4050-UHF V1.1EN



TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld rfid reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globe. We work with a worldwide network of distributors, system integrators and software developers to offer complete and professional data collection solutions to customers from a variety of areas.

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