C4050-Q4-UHF

ENTERPRISE MOBILE UHF RFID HANDHELD COMPUTER



C4050-Q4 UHF is an Android rugged mobile computer. With its powerful quad-core processor and wireless connections such as 4G, Bluetooth and Wi-Fi, as well as comprehensive data capture options, including UHF RFID reading & writing, 1D/2D barcode scanning, infra-red and sensitive fingerprint scanning, you can find this easy-to-deploy device an exceptionally valuable helper for your workers to increase their efficiency and productivity. With its highly customizable ability, enterprisescan deploy this device in many areas, including retail, logistics, express delivery, warehousing, energy and chemical industry, etc.



Powerful Application Performance

The C4050-Q4-UHF adopts Android 5.1 OS, features the fast and powerful quad core processor, together with 2GB of RAM, 16GB build-in flash storage, plus a SD card slot that can add up to 32GB of memory.



Extensive Data Capture Options

The C4050-Q4-UHF can be integrated with best-inclass Zebra 1D/2D scanning engine, sensitive fingerprint snap-on and GPS. It allows users to choose data collection options as per industry need.



UHF RFID Reading Capability

The C4050-Q4-UHF 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.



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.



4G LTE - Faster Connectivity

Whether indoors or outdoors, the C4050-Q4-UHF provides enterprises with anywhere, anytime real-time connectivity by the fast 4G LTE celluar network and 802.11 a/b/g/n Wi-Fi support.



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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1 PSAM 1 SIM/PSAM

MicroSD(TF) slot

USB Micro-B (OTG)

Numeric / Qwerty

Android 5.1

-40°C to 70°C

temperature range

IEEE802.11 a/b/g/n

3G WCDMA B1 - B2 - B5 4G FDD LTE B2 - B4 - B7 - B17 2G GPRS (850/1900MHz) 3G WCDMA R1 3G CDMA EVD 800MHz

3G TD-SCDMA B34 - B39 4G TDD LTE B38 - B39 - B40 - B41

4G FDD LTE B1 - B3

Bluetooth 4.0

GPS, AGPS

AUTHORIZED DISTRIBUTOR

Java

IP64

Physical Characteristics

Weight

Display Touch Panel

Power

Interfaces

Keypad Sensor

Audio

RAM ROM Expansion

Expansion Slot

Performance

Operating System SDK

User Enviroment Operating Temp Storage Temp.

Language

Humidity

Sealing

WLAN

WWAN(E)

WWAN(N)

WWAN(C)

Bluetooth

GPS

Drop Specification

Tumble Specification

Tool

Developing Enviroment



4" WVGA (480*8000), 16.7M colors

Pistol battery: Li-ion, 5200mAh (Optional)

Rugged Capacitive Touch Panel Main battery: Li-ion, 3200mAh

0.5W speaker, build-in microphone

Light Sensor, Proximity Sensor

Qualcomm 1-3GHz quad-core

Software Development Kit

Eclipse / Android Studio

5%RH - 95%RH non condensing

1000 x 0.5m falls at room temperature

4G FDD LTE B1 - B3 - B7 - B8 - B20

Multiple 1.2m drops to concrete across the operating

Supports up to 32GB Micro SD card

176mm x 76mm x 28,5mm







Memory





Accessories

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, UF Postal, Australian Postal, Japan Postal, Dutch, Posta (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 (Option	onal)
PSAM	ISO7816 Protocol, 2 PSAM slot
Biometric (Optional)	
Functions	Enrollment, compare, deletion etc.
Sensor	TCS2SS
Sensor Type	Capacitive Sensor
Resolution	508DPI

1,000 PCS fingerprints





Snap On



USB Cable



Cradle





Fingerprint Snap-on (Optional)



(Optional)

C4050-Q4-UHF V1.0EN



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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