

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 customisable ability, enterprise scan deploy this device in many areas, including retail, logistics, express delivery, warehousing, energy and chemical industry, etc.



C4050-Q4-UHF 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 | Qualcomm 1.3Ghz Quad Core |
| RAM+ROM | 2GB+16GB |
| Expansion | Supports up to 32 GB 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. | -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 |

Other Modules (Optional)

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

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. |

Biometric (Optional)

| | |
|-------------|------------------------------------|
| Functions | Enrollment, compare, deletion etc. |
| Sensor | TCS255 |
| Sensor Type | Capacitive Sensor |
| Resolution | 508DPI |
| Memory | 1.000 PCS Fingerprints |

Infrared (Optional)

| | |
|------------|-------|
| Wavelength | 940nm |
| Frequency | 38KHz |
| Range | > 4m |



Finger Print



Snap-On



Charging Cradle



Pistol Grip



Numeric Keyboard Layout



Carrying Bag

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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.

TechSigno SRL
Via dei Boschi, 2/13 - 33040 Pradamano (UD) - ITALY
T +39 0432 603604 F +39 0432 602905 info@techsigno.com www.techsigno.com

CHAINWAY®

Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, its 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.