

CHAINWAY



C4050 UHF

UHF RFID Reader



Android



4G



WiFi



Bluetooth



1D Barcode



2D Barcode



UHF



Fingerprint



Infra Red



PSAM



GPS

CHAINWAY C4050UHF is an Android rugged mobile computer. It features powerful quad-core processor and fast wireless connections, as well as comprehensive data capture options, like the class-leading UHF capability. It performs perfectly well in retail, logistics, express delivery, warehousing, energy and chemical industry, etc.



Specification

Physical Characteristics

| | |
|----------------|--|
| Dimensions | 213mm x 87mm x 151mm/ 8.39 x 3.43 x 5.94in |
| Weight | 721g/ 25.43oz |
| 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 |
| Expansion Slot | 1 PSAM, 1 SIM, 1 MicroSD (TF) slot |
| Interfaces | USB Micro-B |
| Audio | 0.5W speaker, build-in microphone |
| Keypad | Numeric / Qwerty |
| Sensors | Light sensor, proximity sensor |

Performance

| | |
|-----------|--|
| Option 1 | CPU: Qualcomm 1.3 GHz quad-core RAM+ROM: 2GB+16GB |
| Option 2 | CPU: Qualcomm 1 GHz quad-core RAM+ROM: 1GB+8GB |
| Expansion | Supports up to 128 GB Micro SD card |

Developing Environment

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|------------------|-----------------------------------|
| Operating System | Android 5.1 |
| SDK | Chainway Software Development Kit |
| Language | Java |
| Tool | Eclipse / Android Studio |

User Environment

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|----------------------|--|
| Operating Temp. | -4°F to 122°F / -20°C to 50°C |
| Storage Temp. | -40°F to 158°F / -40°C to 70°C |
| Humidity | 5%RH - 95%RH non condensing |
| Drop Specification | Multiple 1.2m/3.9ft drops to concrete across the operating temperature range |
| Tumble Specification | 1000 x 0.5m/1.64ft falls at room temperature |
| Sealing | Host IP64 per IEC sealing specifications |

Communication

| | |
|---------|--|
| WLAN | IEEE802.11 a/b/g/n |
| WWAN(E) | 2G: GPRS (900/1800MHz) |
| | 3G: WCDMA B1 B8 4G: FDD-LTE: B1 B3 B7 B8 B20 |
| WWAN(N) | 2G: GPRS (850/1900MHz) |
| | 3G: WCDMA B1 B2 B5 4G: FDD-LTE: B2 B4 B7 B17 |
| WWAN(C) | 2G: GPRS (850/900/1800MHz) |
| | 3G: WCDMA: B1 CDMA EVDD: EVDD Rev.A800MHz TD-SCDMA: B34, B39 |
| | 4G: TDD-LTE: B38 B39 B40 B41 FDD-LTE: B1 B3 |
| | |

| | |
|-----------|---------------|
| Bluetooth | Bluetooth 4.0 |
| GNSS | GPS, AGPS |

Barcode Scanning (Optional)

1D Linear Scanner

| | |
|----------------|------------------------------|
| 1D Scan Engine | Honeywell N4313/ Zebra 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 | Zebra 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 (Optional)

UHF

| | |
|-----------|---|
| Frequency | 865MHz-868MHz / 920-925MHz / 902-928MHz |
| Protocol | EPC C1 GEN2 / ISO18000-6C |

| | |
|---------|--|
| Antenna | Linear polarization (1.8dBi); circular polarization (4dBi) |
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|-------|--|
| Power | 1W (30dBm, +5dBm to +30dBm adjustable) |
|-------|--|

| | |
|-----------|---|
| R/W range | >6m (linear polarization); >10m (circular polarization) |
|-----------|---|

| | |
|--------------|-------------------------------------|
| Reading rate | >200 tags/s (circular polarization) |
|--------------|-------------------------------------|

* Range and rate depend on tags and environment

Fingerprint (Optional)

| | |
|-----------|---|
| Functions | Fingerprint enrollment, match, storage etc. |
|-----------|---|

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|--------|----------------------------|
| Sensor | TCS1 / TCS2SS (Capacitive) |
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| | |
|--------------------|----------------------------------|
| Image Size (pixel) | TCS1: 12.8*18; TCS2SS: 10.4*14.4 |
|--------------------|----------------------------------|

| | |
|-------------------|--------------------------------|
| Sensing Area (mm) | TCS1: 256*360; TCS2SS: 208*288 |
|-------------------|--------------------------------|

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|------------------|-----|
| Resolution (dpi) | 508 |
|------------------|-----|

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| Standard | TCS1: FIPS, STQC; TCS2SS: ISO |
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InfraRed (Optional)

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|------------|-------|
| Wavelength | 940nm |
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| | |
|-----------|-------|
| Frequency | 38kHz |
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| Range | > 4m |
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| Protoc | DLT_645-2007 |
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PSAM (Optional)

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| Slots | 2 PSAM slots (maximum) |
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|----------|---------|
| Protocol | ISO7816 |
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Accessories(See details in Accessory Guide)



AC Adapter



Snap-on



USB cable



Cradle



Pistol



Fingerprint (Optional)



Carrying holster (Optional)

Notice: Product specifications are subject to change without prior notice. / Model: C4050 UHF / Update Date: 2018-10-16

CHAINWAY®

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