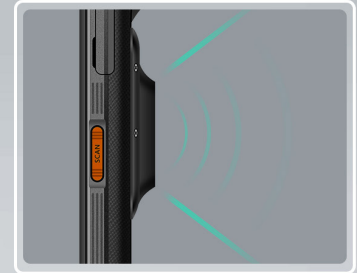















**UHF RFID**



**C71**

**Mobile Computer  
UHF RFID**

-  Android
-  4G
-  WiFi
-  Bluetooth
-  UHF
-  1D Barcode
-  2D Barcode
-  IRIS
-  NFC
-  Camera
-  GPS

Chainway C71 is an Android rugged mobile computer. It can be configured with internal UHF module with 1dBi circularly polarized antenna. With its powerful processor and wireless connections, you can find this easy-to-deploy device an exceptionally valuable helper to increase working efficiency and productivity in retail, logistics and healthcare.



# Specification

## Performance

|                  |  |
|------------------|--|
| CPU              | Cortex-A53 Octa-core 2.5 GHz                     |
| RAM+ROM          | 3 GB + 32 GB                                     |
| Expansion        | Supports up to 128 GB Micro SD card              |
| Operating System | Android 8.1; Soti MobiControl, SafeUEM supported |

## Communication

|               |  |
|---------------|--|
| WLAN          | IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna |
| WWAN (China)  | 2G: 900/1800 MHz   |
|               | 3G: WCDMA: B1,B8   |
|               | CDMA2000 EVDO: BC0   |
|               | TD-SCDMA: B34,B39  |
| WWAN (Europe) | 4G: B1,B3,B5,B8,B34,B38,B39,B40,B41                        |
|               | 2G: 850/900/1800/1900 MHz                                  |
|               | 3G: B1,B2,B4,B5,B8   |
| WWAN(America) | 4G: B1,B3,B5,B7,B8,B20,B40                                 |
|               | 2G: 850/900/1800/1900 MHz                                  |
|               | 3G: B1,B2,B4,B5,B8   |
| WWAN(Others)  | 4G: B2,B4,B7,B12,B17,B25,B66                               |
|               | Depending on the country's ISP                             |
| Bluetooth     | Bluetooth v2.1+EDR,3.0+HS,v4.1+HS                          |
| GNSS          | GPS/AGPS, GLONASS, BeiDou; internal antenna                |

## Physical Characteristics

|                |  |
|----------------|--|
| Dimensions     | 164.2 x 78.8 x 17.5 mm / 6.46 x 3.10 x 0.69 in.                          |
| Weight         | < 321 g / 11.32 oz.  |
| Display        | 5.2" IPS FHD 1920 x 1080   |
| Touch Panel    | Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported |
| Power          | Main battery: Li-ion, rechargeable, 5000mAh                              |
|                | Standby: over 350 hours  |
|                | Continuous use: over 12 hours (depending on user environment)            |
|                | Charging time: 3-4 hours (with standard adaptor and USB cable)           |
| Expansion Slot | 1 slot for SIM card, 1 slot for SIM or TF card                           |
| Interfaces     | USB 2.0 Type-C, OTG, TypeC headphones supported                          |
| Audio          | Speaker, 2 microphones   |
| Keypad         | 4 front keys, 1 power key, 2 scan keys, 1 multifunctional key            |
| Sensors        | Gravity sensor, light sensor, proximity sensor, vibration motor          |

## Developing Environment

|          |                          |
|----------|--------------------------|
| SDK      | Chainway Development Kit |
| Language | Java                     |
| Tool     | Eclipse / Android Studio |

## User Environment

|                      |   |
|----------------------|---|
| 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 1.8 m / 5.9 ft. drops (at least 20 times) to the concrete across the operating temperature range |
| Tumble Specification | 1000 x 0.5m / 1.64 ft. falls at room temperature  |
| Sealing              | IP65 per IEC sealing specifications   |
| ESD                  | ±15 KV air discharge, ±6 KV conductive discharge  |

## Data Collection

### UHF RFID

|           |   |
|-----------|---|
| Frequency | 865-868 MHz / 920-925 MHz / 902-928 MHz |
| Protocol  | EPC C1 GEN2 / ISO18000-6C               |
| Antenna   | Circular polarization (1 dBi)           |
| Power     | 1 W (+19 dBm to +30 dBm adjustable)     |
| R/W range | 3 m                                     |

\* Ranges and rates depend on tags and environment

### Camera

|                         |                            |
|-------------------------|----------------------------|
| Rear Camera             | 13 MP Autofocus with flash |
| Front Camera (optional) | 5 MP camera                |

### NFC

|           |   |
|-----------|---|
| Frequency | 13.56 MHz                                     |
| Protocol  | ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc. |
| Chips     | M1 card (S50, S70), CPU card, NFC tags, etc.  |
| Range     | 2-4 cm  |

### Barcode Scanning (optional)

|                   |   |
|-------------------|---|
| 1D Linear Scanner | Zebra: SE965; Honeywell: N4313  |
| 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 Imager Scanner | Zebra: SE4710 / SE2707 ; Honeywell: N6603   |
| 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. |

### Iris (optional)

|          |                                  |
|----------|----------------------------------|
| Rate     | < 150 ms                         |
| Range    | 20-40 cm                         |
| FAR      | 1/10000000                       |
| Protocol | ISO/IEC 19794-6, GB/T 20979-2007 |

## Accessories

|          |                                      |
|----------|--------------------------------------|
| Standard | AC Adaptor, USB Cable, Lanyard, etc. |
| Optional | Cradle, Holster,etc.                 |

\* For detailed specification, please check Accessory Guide.

Notice: Product specifications are subject to change without prior notice. / Model: C71 UHF / Update Date: 2019-11-12

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