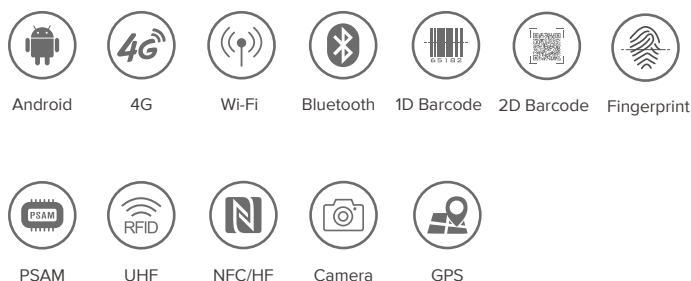




# C71

## Mobile Computer



Chainway C71 with abundant functions is an Android rugged mobile computer. With its powerful processor, stable wireless connections and comprehensive data capture options, you can find this easy-to-deploy device a valuable helper to increase productivity in logistics, warehousing, retail, identity verification, meter reading, IC card reading and etc.



# Specification

| Performance      |                                                                  |
|------------------|------------------------------------------------------------------|
| CPU              | Octa-core, 2.3GHz                                                |
| RAM+ROM          | 3GB + 32GB / 4GB + 64GB (optional)                               |
| Expansion        | Supports up to 256GB Micro SD (TF) card                          |
| Operating System | Android 11 / 13; GMS, FOTA, Soti MobiControl, SafeUEM supported. |

| Communication |                                                                    |
|---------------|--------------------------------------------------------------------|
| WLAN          | IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna         |
| WWAN          | 2G: GSM850/GSM900/DCS1800/PCS1900                                  |
|               | 3G: WCDMA: B1/B2/B4/B5/B8<br>CDMA2000 EVDO: BC0<br>TD-SCDMA: A/F   |
|               | 4G: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B/<br>B38/B39/B40/B41 |
| Bluetooth     | Bluetooth 5.0                                                      |
| GNSS          | GPS/AGPS, GLONASS, BeiDou; internal antenna                        |

| Physical Characteristics |                                                                          |
|--------------------------|--------------------------------------------------------------------------|
| Dimensions               | 164.2 x 78.8 x 17.0 mm / 6.46 x 3.1 x 0.67 in. (for standard version)    |
| Weight                   | 288 g / 10.15 oz. (for standard version)                                 |
| Display                  | 5.2" IPS LTPS 1920 x 1080                                                |
| Touch Panel              | Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported |
| Power                    | Main battery: Li-Ion, rechargeable, built-in 5000 mAh                    |
|                          | 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 Nano SIM card, 1 slot for Nano SIM or TF card                 |
| Interfaces               | USB 2.0 Type-C, OTG, Type-C headphones supported                         |
| Sensors                  | Light sensor, proximity sensor, gravity sensor                           |
| Notification             | Sound, LED indicator, vibrator                                           |
| Audio                    | 2 microphones, 1 for noise cancellation; 1 speaker; receiver             |
| Keypad                   | 4 front keys, 1 power key, 2 scan keys, 1 multifunctional key            |

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

| User Environment     |                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------|
| Operating Temp.      | -4°F to 122°F / -20°C to 50°C (UHF version: -20°C to 45°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 / 5.91 ft. drops (at least 20 times) to the concrete across the operating temperature range |
| Tumble Specification | 1000 x 0.5 m / 1.64 ft. falls at room temperature                                                          |
| Sealing              | IP65 / IP67 per IEC sealing specifications                                                                 |
| ESD                  | ±15 KV air discharge, ±6 KV conductive discharge                                                           |

| Data Collection         |                                                                        |
|-------------------------|------------------------------------------------------------------------|
| Camera                  |                                                                        |
| Rear Camera             | 13 MP Autofocus with flash<br>Facial Recognition ISO19794-5 Compatible |
| Front Camera (optional) | 5 MP camera                                                            |

| Barcode Scanning (optional) |                                                                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1D Linear Scanner           | 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 / SE4750SR / SE4750MR / SE4750DP; Honeywell: N6603; CM60                                                                                                                                      |
| 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. |

| HF (optional) |                                                                                                                                          |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency     | 13.56 MHz                                                                                                                                |
| Protocol      | ISO14443A/B, ISO15693                                                                                                                    |
| Chips         | M1 card (S50/S70), M0 (Ultralight), M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card, iCODE II, Ti2048, LRI64K, Others for customization |
| Range         | 3-8 cm                                                                                                                                   |

| 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                                        |

| UHF (optional)                                                |                                         |
|---------------------------------------------------------------|-----------------------------------------|
| Frequency                                                     | 865-868 MHz / 920-925 MHz / 902-928 MHz |
| * For detailed specification, please check C71 UHF data sheet |                                         |

| Fingerprint (optional)                                                |                                        |
|-----------------------------------------------------------------------|----------------------------------------|
| Sensor                                                                | Capacitive TCS1, Optical Morpho CBM-E3 |
| * For detailed specification, please check C71 Fingerprint data sheet |                                        |

| PSAM (optional) |                        |
|-----------------|------------------------|
| Card slot       | 2 slots for PSAM cards |
| Protocol        | ISO7816 T=0, T=1       |

| Accessories                                                 |                                      |
|-------------------------------------------------------------|--------------------------------------|
| Standard                                                    | AC Adaptor, USB Cable, Lanyard, etc. |
| Optional                                                    | Cradle, Holster, etc.                |
| * For detailed specification, please check Accessory Guide. |                                      |

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