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## Mobile Computer

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|--|--|--|--|---|---|--|
| <br>Android | <br>4G  | <br>WiFi     | <br>Bluetooth | <br>1D Barcode | <br>2D Barcode | <br>Fingerprint |
| <br>PSAM    | <br>UHF | <br>Infrared | <br>IRIS      | <br>NFC/HF     | <br>Camera     | <br>GPS         |

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

<b>CPU</b>	Cortex-A53 2.5 GHz Octa-core
<b>RAM+ROM</b>	3 GB + 32 GB 4 GB + 64 GB (optional)
<b>Expansion</b>	Supports up to 128 GB Micro SD card
<b>Operating System</b>	Android 8.1; GMS, Soti MobiControl, SafeUEM supported

## Communication

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

## Physical Characteristics

<b>Dimensions</b>	164.2 x 78.8 x 17.0 mm / 6.46 x 3.1 x 0.67 in. (for standard version)
<b>Weight</b>	288 g / 10.15 oz. (for standard version)
<b>Display</b>	5.2" IPS FHD 1920 x 1080
<b>Touch Panel</b>	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
<b>Power</b>	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)
<b>Expansion Slot</b>	1 slot for SIM card, 1 slot for SIM or TF card
<b>Interfaces</b>	USB 2.0 Type-C, OTG, Type-C headphones supported
<b>Audio</b>	Speaker, 2 microphones
<b>Keypad</b>	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key
<b>Sensors</b>	Gravity sensor, light sensor, proximity sensor, vibration motor

## Developing Environment

<b>SDK</b>	Chainway Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse / Android Studio

## User Environment

<b>Operating Temp.</b>	-4°F to 122°F / -20°C to 50°C
<b>Storage Temp.</b>	-40°F to 158°F / -40°C to 70°C
<b>Humidity</b>	5% RH - 95% RH non condensing
<b>Drop Specification</b>	Multiple 1.8 m / 5.91 ft. drops (at least 20 times) to the concrete across the operating temperature range
<b>Tumble Specification</b>	1000 x 0.5 m / 1.64 ft. falls at room temperature

<b>Sealing</b>	IP65 per IEC sealing specifications
<b>ESD</b>	±15 KV air discharge, ±6 KV conductive discharge

## Data Collection

### Camera

<b>Rear Camera</b>	13 MP Autofocus with flash Facial Recognition ISO19794-5 Compatible
<b>Front Camera (optional)</b>	5 MP camera

### Barcode Scanning (optional)

<b>1D Linear Scanner</b>	Zebra: SE965; Honeywell: N4313
<b>1D Symbolgies</b>	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
<b>2D Imager Scanner</b>	Zebra: SE4710 / SE4750 / SE4750MR; Honeywell: N6603
<b>2D Symbolgies</b>	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)

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

\*Iris is alternative to front camera.

### HF (optional)

<b>Frequency</b>	13.56 MHz
<b>Protocol</b>	ISO14443A/B, ISO15693
<b>Chips</b>	M1 card (S50/S70), M0 (Ultralight), M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card, ICODE II, TI2048, LRI64K, Others for customization
<b>Range</b>	3-8 cm

### NFC (optional)

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

### UHF (optional)

<b>Frequency</b>	865-868 MHz / 920-925 MHz / 902-928 MHz
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\* For detailed specification, please check C71 UHF data sheet

### InfraRed (optional)

<b>Frequency</b>	38 kHz
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\* For detailed specification, please check C71 InfraRed data sheet

### Fingerprint (optional)

<b>Sensor</b>	Capacitive TCS1 / TCS2; Optical Morpho CBM-E3
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\* For detailed specification, please check C71 Fingerprint data sheet

### PSAM (optional)

<b>Card slot</b>	2 slots for PSAM cards
<b>Protocol</b>	ISO7816 T=0, T=1

### Accessories

<b>Standard</b>	AC Adaptor, USB Cable, Lanyard, etc.
<b>Optional</b>	Cradle, Holster, etc.

\* For detailed specification, please check Accessory Guide.

Notice: Product specifications are subject to change without prior notice. / Model: C71 / Update Date: 2021-01-05

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