



UHF RFID



C71

**Mobile Computer
UHF RFID**



Android



4G



WiFi



Bluetooth



UHF



1D Barcode



2D Barcode



NFC



Camera



GPS

Chainway C71 is an Android rugged mobile computer. It can be configured with internal UHF module with 1.5dBi 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 2.3GHz Octa-core
RAM+ROM	3GB + 32GB / 4GB + 64GB (optional)
Expansion	Supports up to 128GB Micro SD card
Operating System	Android 11; GMS, FOTA, Soti MobiControl, SafeUEM supported. Committed support for a future upgrade to Android 12, 13, and Android 14 pending feasibility

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 CDMA2000 EVDO: BCO TD-SCDMA: A/F
	4G: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B/ B34/B38/B39/B40/B41
Bluetooth	Bluetooth 5.0
GNSS	GPS/AGPS, GLONASS, BeiDou; internal antenna

Physical Characteristics

Dimensions	164.2 x 78.8 x 17.5 mm / 6.46 x 3.10 x 0.69 in.
Weight	321 g / 11.32 oz.
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, 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 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 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 1.8m / 5.91ft. drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m / 1.64ft. falls at room temperature
Sealing	IP65 / IP67 per IEC sealing specifications
ESD	± 15KV air discharge, ± 6KV conductive discharge

* Operating temperature of UHF version: -20°C to 45°C

Data Collection

UHF RFID

Engine	CM-Q module; CM-3N module based on Impinj E310
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular polarization (1.5 dBi)
Power	1 W (+19dBm to +30 dBm adjustable)
Max Read Range	Impinj E310 chip: 3m (Impinj MR6 tag, size 70 x 15mm) 3m (Impinj M750 tag, size 70 x 15mm) 4m (Alien H3 Anti-Metal tag, size 130 x 42mm)

* Ranges are measured in the open outdoors and low interference environment, and rate is measured in a laboratory low interference environment, they are affected by tags and environment.

Camera

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

NFC

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

Barcode Scanning (optional)

1D Linear Scanner	Zebra: SE965; Honeywell: N4313; CM60
1D Symbolics	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
2D Symbolics	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.

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: 2023-10-31

CHAINWAY[®]

Shenzhen Chainway Information Technology Co., Ltd

Address: 9F, Building2, Phase 2, Gaoxinqi Industrial Park, Liuxian 1st Rd., Bao'an District, Shenzhen, Guangdong 518102, China

Tel: 0086-755-23223316

Fax: 0086-755-23223310

Email: sales@chainway.cn

Web: http://www.chainway.net