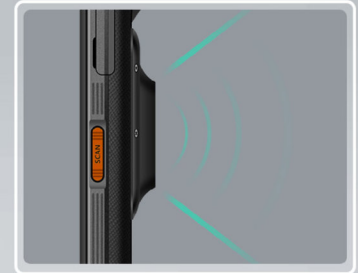




UHF RFID



C71

Mobile Computer UHF RFID



Android



4G



WiFi



Bluetooth



UHF



1DBarcode



2D Barcode



IRIS



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 2.5 /2.3 GHz Octa-core
RAM+ROM	3 GB +32 GB /4 GB +64 GB (optional)
Expansion	Supports up to 128GB Micro SD card
Operating System	Android 8.1;GMS, FOTA, Soti MobiControl, SafeUEM supported Android 11;GMS,FOTA, Soti MobiControl, SafeUEM supported. Committed support for a future upgrade to Android 12,13,and Android 14pending feasibility

Communication

Android 8.1

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

Android 11

WLAN	IEEE802.11a/b/g/n/ac,2.4G/5G dual-band, internal antenna
	2G: GSM850/GSM900/DCS1800/PCS1900
	3G: WCDMA: B1/B2/B4/B5/B8 CDMA2000 EVDO: BC0 TD-SCDMA: A/F
WWAN	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 17.5mm /6.46 x 3.10 x 0.69 in.
Weight	321g /11.32 oz.
Display	5.2" IPS LTPS 1920 x 1080
Touch Panel	Coming Gorilla Glass, multi-touchpanel, gloves and wet hands supported
	Main battery: Li-ion,rechargeable, 5000mAh
	Standby: over 350 hours
Power	Continuous use: over 12hours (depending on user environment) Charging time: 3-4hours (with standard adaptor and USB cable)
Expansion Slot	1slot for Nano SIM card, 1slot for Nano SIM or TF card
Interfaces	USB 2.0 Type-C,OTG, Type-Cheadphones supported
Audio	Speaker, 2 microphones
Keypad	4 front keys, 1power key, 2 scan keys, 1multifunctional key
Sensors	Light sensor, proximitysensor, gravity sensor

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 /1.64 ft. falls at room temperature
Sealing	IP65 /IP67 per IEC sealing specifications
ESD	±15KV air discharge, ±6KV conductive discharge

Data Collection

UHF RFID

Engine	CM-Q module ; CM310-1module based on Impinj E310
Frequency	865-868 MHz /920-925 MHz /902-928 MHz
Protocol	EPC C1GEN2 /ISO18000-6C
Antenna	Circular polarization (1.5dBi)
Power	1W (+19dBm to +30dBm adjustable)
R/W range	3 m

* Ranges and rates depend on tags and environment

Camera

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

NFC

Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1,NFC-IP2, etc.
Chips	M1card (S50, S70), CPU card, NFC tags, etc.
Range	2-4 cm

Barcode Scanning (optional)

1DLinear Scanner	Zebra: SE965; Honeywell: N4313
1DSymbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar,MSI, RSS, etc.
2D ImagerScanner	Zebra: SE4710 /SE4750 /SE4750MR; 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 RFID /Update Date: 2022-01-14



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