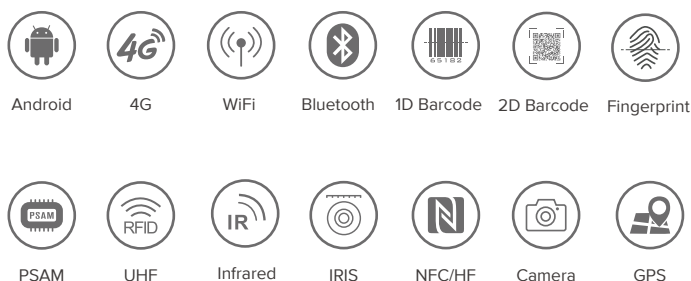




C71

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	Cortex-A53 2.5 / 2.3 GHz Octa-core
RAM+ROM	3 GB + 32 GB / 4 GB + 64 GB (optional)
Expansion	Supports up to 128 GB 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 14 pending feasibility

Communication	
Android 8.1	
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
	4G: B1/B3/B5/B8/B34/B38/B39/B40/B41
WWAN (Europe)	2G: 850/900/1800/1900 MHz
	3G: B1/B2/B4/B5/B8
	4G: B1/B3/B5/B7/B8/B20/B40
WWAN(America)	2G: 850/900/1800/1900 MHz
	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	IEEE802.11 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: BC0 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 17.0 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
Audio	Speaker, 2 microphones
Keypad	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key
Sensors	Light sensor, proximity sensor, gravity sensor

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
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
Front Camera (optional)	5 MP camera
Barcode Scanning (optional)	
1D Linear Scanner	Zebra: SE965; Honeywell: N4313
1D Symbolgies	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 / SE4750 / SE4750MR; Honeywell: N6603
2D Symbolgies	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
*Iris is alternative to front camera.	

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	

InfraRed (optional)	
Frequency	38 kHz
* For detailed specification, please check C71 InfraRed data sheet	

Fingerprint (optional)	
Sensor	Capacitive TCS1 / TCS2; 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.	

Notice: Product specifications are subject to change without prior notice. / Model: C71 / Update Date: 2022-01-14

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