



C71

Mobile Computer

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

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
WWAN (China)	2G: 900/1800MHz
	3G: WCDMA: B1/B8 CDMA2000 EVDO: BC0 TD-SCDMA: B34/B39
	4G: B1/B3/B5/B8/B34/B38/B39/B40/B41
WWAN (Europe)	2G: 850/900/1800/1900MHz
	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
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 17.0mm /6.46 x 3.1x 0.67 in. (for standard version)
Weight	288 g /10.15oz. (for standard version)
Display	5.2" IPS LTPS 1920x 1080
Touch Panel	Corning Gorilla Glass, multi-touchpanel, gloves and wet hands supported
Power	Main battery: Li-ion, rechargeable, built-in5000 mAh
	Standby: over 350 hours
	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, 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

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



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

Data Collection

Camera

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

Barcode Scanning (optional)

1D Linear Scanner	Zebra: SE965; 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 /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

*Iris is alternative to front camera.

HF (optional)

Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693
Chips	M1card (S50/S70), M0 (Ultralight), M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card, iCODE II, T12048, LR164K, Others for customization
Range	3-8 cm

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

UHF (optional)

Frequency	865-868 MHz /920-925 MHz /902-928 MHz
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*For detailed specification, please check C71UHF data sheet

InfraRed (optional)

Frequency	38 kHz
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*For detailed specification, please check C71InfraRed data sheet

Fingerprint (optional)

Sensor	Capacitive TCS1/TCS2; Optical Morpho CBM-E3
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*For detailed specification, please check C71Fingerprint 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.