



# C72

## Mobile Computer

-   
Android
-   
4G
-   
WiFi
-   
1DBarcode
-   
D Barcode
-   
Bluetooth
-   
IRIS
-   
NFC
-   
Camera
-   
GPS

Chainway C72 is an industrial-grade Android mobile computer. With an in-built Zebra scan engine, the device ensures powerful barcode scanning performance that can accurately & quickly read various Symbologies of 1D/2D barcode labels even if the barcode is dirty, damaged, or wrinkled. In addition, C72 features Android 11/8.1 OS, Octa-core processor, 8000mAh powerful battery, 13MP camera, and optional NFC reading. The device is perfectly suitable for various applications in power inspection, asset management, retail, warehousing, logistics, finance & manufacturing industries, etc.



# Specification

Performance	
<b>Android 11</b>	
Operating System	Android 11;GMS, FOTA, SafeUEM supported. Committed support for a future upgrade to Android 12, 13,and Android 14pending feasibility
CPU	Cortex-A53 2.3 GHz Octa-core
RAM+ROM	4 GB +64 GB
Expansion	Supports up to 128GB Micro SD card
<b>Android 8.1</b>	
Operating System	Android 8.1;SafeUEM supported
CPU	Cortex-A53 2.5 GHz Octa-core
RAM+ROM	3 GB +32 GB 4 GB +64 GB (optional)
Expansion	Supports up to 128GB Micro SD card
Communication	
<b>Android 11</b>	
WLAN	IEEE802.11a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
Bluetooth	Bluetooth 5.0
GNSS	GPS/AGPS, GLONASS, BeiDou; internalantenna
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
<b>Android 8.1</b>	
WLAN	IEEE802.11a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
Bluetooth	Bluetooth v2.1+EDR,3.0+HS, v4.1+HS
GNSS	GPS/AGPS, GLONASS, BeiDou; internalantenna
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 (Overseas)	2G: 850/900/1800/1900MHz
	3G: B1,B2,B4,B5,B8
	4G: B1,B2,B3,B4,B5,B7,B8,B12,B17,B20,B25,B40,B66
Physical Characteristics	
Dimensions	164.2 x 80.0 x 24.3 mm /6.46 x 3.15x 0.96 in.
Weight	654 g /23.07 oz.
Display	5.2" IPS LTPS 1920x 1080
Touch Panel	Corning Gorilla Glass, multi-touchpanel, gloves and wet hands supported
Power	Li-ion,rechargeable, 8000 mAh
	Standby: over 500 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, TypeC headphones supported
Audio	Speaker, 2 microphones
Keypad	4 front keys, 1power key, 2 scan keys, 1multifunctional key
Sensors	Light sensor, proximitysensor, gravity sensor

## 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 1.5m /4.9 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 per IEC sealing specifications
ESD	±15KVair discharge, ±6KV conductive discharge

## Developing Environment

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

## Data Collection

Camera	
Camera	13MP Autofocus with flash

## 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 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, AustralianPostal, Japan Postal, Dutch Postal (KIX), etc.

## 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

## Accessories

Standard	AC Adaptor,USB Cable, etc.
Optional	Cradle, Holster , etc.

\* For detailed specification, please check Accessory Guide.

Notice: Product specifications are subject to change without prior notice. /Model: C72 /Update Date: 2022-01-14



Rugged-IT GmbH

Adresse: Clara-Fey-Str. 2, 53797 Lohmar, Germany

Tel: +49 (0)2246 915 99 77

Fax: +49 (0)2246 915 99 78

Email: info@rugged-it.de

Web: http://www.rugged-it.de