



## C72 Mobile Computer

Chainway C72 is an Android rugged mobile computer. It features quad-core processor and wireless connections of 4G, Bluetooth and Wi-Fi, 8000mAh powerful battery, barcode scanning, as well as high levels of UHF RFID capability. It can be equipped with R2000 linearly (1.8dBi) or circularly (4.0dBi) polarized antenna. That it can read tags in bulk from long distances enables enterprises to deploy this single device in many areas with enhanced efficiency, especially in asset management, retail, warehousing, fleet management, etc.



### Powerful Application Performance

C72, based on fluent Android 6.0 OS, features powerful quad-core 1.3GHz processor, together with 2GB of RAM, 16GB of ROM, plus a SD card that can add up to 32GB expansion.



### 4G LTE — Faster Connectivity

With a variety of options including 4G, Wi-Fi and Bluetooth, C72 will never interrupt your work either indoors or outdoors with fast and stable network connectivity.



### Superior UHF RFID Capability

C72 provides new levels of UHF RFID reading/writing performance. It is configured with R2000 linearly or circularly polarized antenna to enable bulk reading from long range.



### Rugged and Durable

With IP65 rating, C72 is highly dust-proof and water-proof. This rugged device can sustain multiple 1.5m/4.9ft drops to the concrete under harsh environment. It also features 5.2 inch high-resolution (1080P) IPS LCD screen and rugged capacitive touch panel.



### Multiple Data Capture Options

In addition to its superior UHF RFID, it can also be integrated with class-leading 1D/2D barcode scan head, high-precision iris recognition module and camera. C72 delivers unprecedented efficiency and accuracy in collecting data.



### Prolonged Battery Life

8000mAh battery volume enables your workers to perform a whole day's intensive tasks without charging mid-way.

#### About Chainway

As a leading "Internet of Things" company in China, Shenzhen Chainway Information Technology Co., Ltd is a professional provider of products and solutions of RFID and barcode technology. Founded in 2005, Chainway, a high-tech enterprise, has won several times the title of the Best Provider of RFID Readers. Thousands of clients from over 100 countries have experienced our products in retail, logistics, transportation, healthcare, finance, security and manufacturing, etc. Through our nationwide offices, overseas subsidiary and an extensive partner network, we aim to provide high quality service to our clients.



1D Barcode



2D Barcode



RFID



IRIS



4G



WiFi



Bluetooth



GPS



Camera

## Physical Characteristics

<b>Dimensions</b>	164.2 x 80.0 x 24.3mm / 6.46 x 3.15 x 0.96in
<b>Weight</b>	654g / 23.07oz
<b>Display</b>	5.2" IPS FHD 1920x1080
<b>Touch Panel</b>	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
<b>Power</b>	Li-ion, rechargeable, 8000mAh
<b>Expansion Slot</b>	1 slot for SIM card, 1 slot for SIM or TF card
<b>Interfaces</b>	USB 2.0 Type-C, OTG
<b>Audio</b>	speaker, 2 microphones
<b>Keypad</b>	4 front buttons, 1 side button, 2 scan keys, 1 multifunctional key
<b>Sensors</b>	Gravity sensor, Light Sensor, Proximity Sensor, Vibration Motor

## Performance

<b>CPU</b>	Cortex-A53 Quad-core 1.3GHz
<b>RAM+ROM</b>	2GB+16GB
<b>Expansion</b>	Supports up to 32 GB Micro SD card

## User Environment

<b>Operating Temp.</b>	14°F to 122°F / -10°C to 50°C
<b>Storage Temp.</b>	-40°F to 158°F / -40°C to 70°C
<b>Humidity</b>	5%RH - 95%RH non condensing
<b>Drop Specification</b>	Multiple 1.5m/4.9ft drops (at least 20 times) to the concrete across the operating temperature range
<b>Tumble Specification</b>	1000 x 0.5m/1.6ft falls at room temperature
<b>Sealing</b>	Host IP65
<b>ESD</b>	±8KV air discharge, ±4KV conductive discharge

## Developing Environment

<b>Operating System</b>	Android 6.0
<b>SDK</b>	Chainway Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse / Android Studio

## Communication

<b>WLAN</b>	IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal antenna
<b>WWAN(Europe)</b>	2G: 850/900/1800/1900MHz 3G: 850/900/1900/2100MHz 4G: B1, B3, B5, B7, B8, B20, B40

<b>WWAN(America)</b>	2G: 850/900/1800/1900MHz 3G: 850/900/1700/1900MHz 4G: B2, B4, B7, B12, B17
<b>WWAN (China)</b>	2G: 900/1800MHz 3G: 900/1900/2000/2100MHz 4G: B1, B3, B5, B38, B39, B40, B41
<b>WWAN (Others)</b>	Depending on the country's ISP
<b>Bluetooth</b>	Bluetooth 4.0, BLE
<b>GNSS</b>	GPS/AGPS, GLONASS, BeiDou; internal antenna

## Data Collection

### Camera

<b>Camera</b>	13MP autofocus camera with flash
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### RFID

#### UHF

<b>Frequency</b>	865MHz-868MHz / 920-925MHz / 902-928MHz
<b>Protocol</b>	EPC C1 GEN2 / ISO18000-6C
<b>Antenna</b>	Linear polarization(1.8dBi); circular polarization (4dBi)
<b>Power</b>	1W (30dBm, +5dBm to +33dBm adjustable)
<b>R/W range</b>	>10m
<b>Reading rate</b>	>200 tags/s

\* Ranges and rates depend on tags and environment

## Barcode Scanning (Optional)

<b>1D Linear Scanner</b>	Honeywell N4313
<b>1D Symbologies</b>	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
<b>2D Imager Scanner</b>	Zebra SE4710/Zebra SE4750MR/Honeywell N6603, etc.
<b>2D Symbologies</b>	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)

<b>Rate</b>	<150ms
<b>Range</b>	20-40cm
<b>FAR</b>	1/10000000

Notice: Product specifications are subject to change without notice. / Version: C72 V1.2.4 / Update Date: 2017-10-26

