

C72

Rugged Enterprise Handheld Computer



Android



LTE



WiFi Dual Band



Bluetooth



RFID HF/UHF



2D Imager



IRIS



NFC



Camera



GPS

C72 is an Android rugged mobile computer. It features quad-core processor, 8000mAh battery and superb UHF RFID capability. It can be equipped with R2000 linearly or circularly polarized antenna. That it can read tags in bulk from long distance enables it to be deployed in asset management, retail, warehousing, fleet management and etc.



C72 Specifications

Physical Characteristics	
Dimensions	164,2*80*24,3mm
Weight	654gr
Display	5,2" IPS FHD 1920x1080
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	Main battery: Li-ion, rechargeable, 8000mAh Standby: Over 500 hours Continuous use: Overs 12 hours depending on user environment
Expansion Slot	1 slot for SIM card, 1 slot for SIM or TF card
Interfaces	USB2.0 Type-C, OTG
Audio	Speaker, microphone
Keypad	4 Front Key, 1 Multifunction Key, 1 Power Key, 2 Scan Keys
Sensors	Gravity sensor, Light Sensor, Proximity Sensor

Performance	
CPU	Cortex A53 Quad-core 1,3GHz
RAM+ROM	2GB+16GB
Expansion	Supports up to 32 GB Micro SD card

Developing Environment	
Operating System	Android 6.0
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment	
Operating Temp.	-20°C to 50°C
Storage Temp.	-40°C to 70°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.5m drops to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	±8KV air discharge, ±4KV conductive discharge

Camera	
Rear Camera	13MP Autofocus with flash

Communication	
WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band with internal antenna
WWAN(Europe)	2G: 850/900/1800/1900MHz 3G: 850/900/1900/2100MHz 4G: B1, B3, B5, B7, B8, B20, B40
WWAN(America)	2G: 850/900/1800/1900MHz 3G: 850/900/1700/1900MHz 4G: B2, B4, B7, B12, B17
WWAN (China)	2G: 900/1800MHz 3G: 900/1900/2000/2100MHz 4G: TDD-LTE: B38, B39, B40, B41 FDD-LTE: B1, B3, B5
WWAN (Others)	Depending on the country's ISP
Bluetooth	Bluetooth 4.0 BLE
GNSS	GPS/AGPS, GLONASS, BeiDou with internal antenna

RFID (Optional)	
UHF	
Frequency	865MHz-868MHz / 920MHz-925MHz / 902MHz-928MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	4dBi Circular Polarization
Power	1W (+5dBm to 30dBm adjustable)
Read/Write Range	> 25m with Circular Antenna indoor > 10m with Circular Antenna outdoor > 21m with Linear Antenna indoor > 7m with Linear Antenna outdoor
Reading Rate	> 200tags/sec

(*) Read/write Range and Reading Rates depend on tags and environments

HF / NFC (Optional)	
Frequency	13.56MHz

(*) HF RFID is alternative to NFC

Front Iris (optional)	
Rate	<150ms

Barcode Scanning (Optional)	
1D Scan Engine	Zebra SE965 / Honeywell N4313
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSS, etc.
2D Scan Engine	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.

Front Iris (optional)	
Rate	<150ms
Range	20-40cm
FAR	1/10000000



Cradle(Optional)



ACAdaptor



USBCable

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C72_EN V2.0



TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

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Chainway is a leading manufacturer of rugged mobile computers and fixed data terminals in China. Founded in 2005, it headquarters in Shenzhen. For the past decade, Chainway has delivered data collection devices, including handheld RFID reader, fingerprint reader, barcode scanner and etc, to thousands of customers around the globe. We work with a worldwide network of distributors, system integrators and software developers to offer complete and professional data collection solutions to customers from a variety of areas.