












C72

Rugged Android Mobile Computer



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 polarised 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.

 ANDROID	 LTE	 WIFI	 BLUETOOTH	 NFC	 GPS
 IP65	 1D / 2D	 FINGERPRINT	 UHF	 CAMERA	



C72 Specifications



Physical Characteristics

Dimensions	164,2*78,8*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 350 hours Continuous work over 12 hours (depending on user environment) Charging time 3 to 4h with standard usb adaptor and cable
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, 2 Scan Keys, 1 Power Key, 1 Multifunctional Key
Sensors	Gravity sensor, Light Sensor, Proximity Sensor, Vibration Motor

Android 8.1

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 128 GB Micro SD card

Android 11

Operating System	Android 8.1; SafeUEM supported
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Developing Environment

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 (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m falls at room temperature
Sealing	IP65-IP67 per IEC sealing specifications
ESD	±15KV air discharge, ±6KV conductive discharge

Camera

Rear Camera	13MP Autofocus with flash
Front Camera (Optional)	5MP

Communication

WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
WWAN(Europe)	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	Android 8.1: Bluetooth 2.1+EDR, 3.0+HS, 4.1+HS Android 11: Bluetooth 5.0
GNSS	GPS/AGPS, GLONASS, BeiDou with internal antenna

RFID (Optional)

UHF Engine	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
Frequency	865MHz-868MHz / 920MHz-925MHz / 902MHz-928MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	1dBi Circular Polarization
Power	1 W (30 dBm, +5 dBm to +30 dBm adjustable) 2 W Optional (33 dBm, for Latin America, etc.)
Read/Write Range	Up to 15 m (circular polarization, open outdoors)

(* Read/write Range and Reading Rates depend on tags and environments. Tested with Impinj MR6 tag)

NFC

Frequency	13.56MHz
Protocol	ISO14443A/B - ISO15693 - NFC-IP1, NFC-IP2
Chips	M1 card(S50, S70), CPU Card, NFC Tags
Range	2-4cm

Barcode Scanning (Optional)

2D Imager Scan Engine	Zebra: SE4710 / SE4750 / SE4750MR; Honeywell: N6603
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSS, etc.
2D Symbolologies	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.

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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