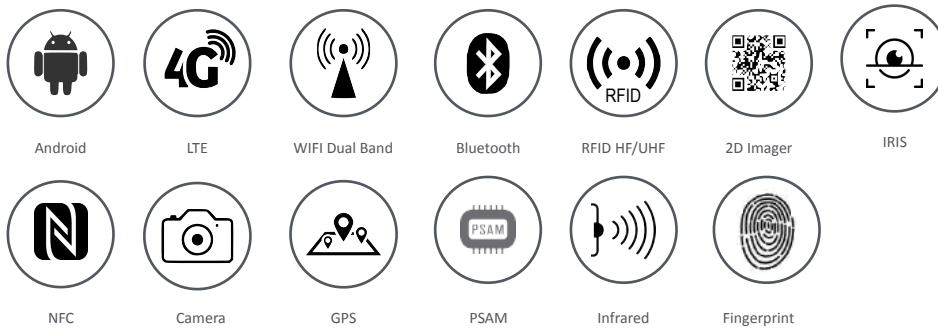


C71

Multifunctional Android Handheld Computer



C71 with abundant functions is an Android rugged mobile computer. With its powerful quad-core 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



C71 Specifications

Physical Characteristics	
Dimensions	164,2*78,8*17mm
Weight	<288gr (for standard version)
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, 5000mAh 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 2 optional slots for PSAM cards (ISO7816 T=0, T=1 Protocol)
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

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 1.8m 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	±8KV air discharge, ±4KV conductive discharge

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

Barcode Scanning (Optional)	
1D Linear 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 Imager Scan Engine	Zebra SE4710 - SE4750 - SE475MR / 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.

InfraRed (Optional)	
Wavelength	940nm
Frequency	38KHz
Range	> 4m
Protocol	DLT_645-2007- DLT_645-1997



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, B5, B26, B41
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	1dBi Circular Polarization
Power	0,4W (+16dBm to 26dBm adjustable)
Read/Write Range	1m

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

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

HF (Optional)	
Frequency	13.56MHz
Protocol	ISO14443A/B - ISO15693
Chips	M1 card (S50/S70), M0 (Ultralight), M3 (Desfire D40/D41/D81), CPU_A card, CPU_B card, iCODE II, TI2048, LRI64K, Others for customizations
Range	3-8cm

(* HF RFID is alternative to NFC - Read/write Range and Reading Rates depend on tags and environments)

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

Fingerprint (Optional)	
Option 1	
Sensor	TCS1/TCS2 Capacitive
Sensing Area (mm)	12,8*19 / 10,4*14,4
Resolution (dpi)	508dpi 8-bit greylevel
Certification	FIPS 201, STQC
Format Extraction	ISO19794, WSQ, ANSI 378, JPEG 2000
Fake Finger Detection	Support by SDK
Security	AES, DES Key encryption of the host communication channel

Option 2	
Sensor	Optical Morpho CBM-E3
Sensing Area (mm)	14x22
Resolution (dpi)	500 dpi, 256 greylevel
Certification	FIPS PIV IQS / ISO19794-4, MINEX & FIPS 201 complaint, STQC
Format Extraction	ISO 19797-2/4, WSQ, ANSI 378, etc.
Fake Finger Detection	Latex, Gelatin, Plasticine, Kapton, Transparent Film, Silicone, Rubber, Play-doh, Graphite Or Paper
Security	FPS 140-2 level 2, multiple security methods available, including image and templates encryption, template signature, secure tunneling, etc.

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C71_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®

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.