

C70

Android Enterprise Mobile Handheld Computer



Android



LTE



WiFi Dual Band



Bluetooth



RFID HF/UHF



2D Imager



IRIS



NFC



Camera



GPS

C70, an Android-based mobile computer, delivers unprecedented excellence. It features powerful quad-core processor, stable wireless connectivity, NFC and 1D/2D barcode scanning, iris recognition functions. This rugged device can be deployed in industries like express delivery, logistics, warehousing, manufacturing and so forth.



C70 Specifications

Physical Characteristics	
Dimensions	163,8*79,2*13,8mm
Weight	242gr
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, 4000mAh Standby over 300 hours Continuous use over 12 hours (depending on user environment) Charging Time: 2-3 hours (with standard adaptor and USB cable)
Expansion Slot	1 slot for SIM card, 1 slot for TF card
Interfaces	USB2.0 Type-C, OTG
Audio	Speaker, microphone
Keypad	4 Front Key, 2 Scan Keys, 1 Power Key, 1 Multifunction 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

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

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

Communication	
WLAN	IEEE802.11 a/b/g/n, 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

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

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

(*) Iris is alternative to front camera

Barcode Scanning (Optional)	
2D Imager Scan Engine	Zebra SE4710 / 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.



Charging Cradle



AC Adaptor



USB Cable

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C70_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.