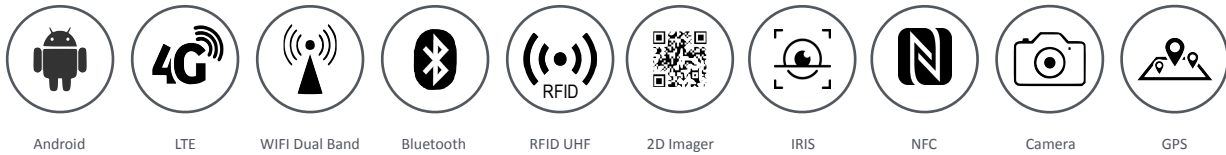


# C76

## Slim Android Handheld Computer



C76, based on Android 6.0 operating system, is newly developed to be much lighter than previous UHF RFID readers. It features powerful quad-core processor, 6600mAh battery, distant UHF RFID capability, NFC, barcode scanning, and iris recognition. This rugged device can be deployed in chain stores, retail inventory management, asset management, warehousing, fleet management, ETC, and finance.



C76 RFID UHF

# C76 specifications

## Physical Characteristics

Dimensions	162.5*80.0*14.5mm
Weight	540g
Display	5.2" IPS FHD 1920x1080
Touch Panel	Corning Gorilla Glass, multi-touch panel
Power	Main battery: Li-ion, rechargeable, 4000mAh Pistol battery: Li-ion, 2600mAh Standby: over 400 hours Continuous use: over 12 hours (depending on user environment) Charging time: 3-4 hours (with standard adaptor and USB 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 Keys, 1 Power Key, 2 Scan Keys, 1 Multifunctional Key
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 (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m falls at room temperature
Sealing	Host IP65 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

## Camera

Rear Camera	13MP Autofocus with flash
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## Barcode Scanning (Optional)

2D 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. 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.
2D Symbolologies	

## RFID

### UHF (Optional)

Frequency	865MHz-868MHz / 920MHz-925MHz / 902MHz-928MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	3dBi Circular Polarization
Power	1W (+5dBm to 30dBm adjustable)
Read/Write Range	> 8m (open outdoor) - >22m (indoor)
Reading Rate	> 200tags/sec
(*) Read/write Range and Reading Rates depend on tags and environments	

## NFC

Frequency	13.56MHz
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## Front Iris (Optional)

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



Charging Cradle



AC Adapter



USB Cable

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C76\_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®**

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