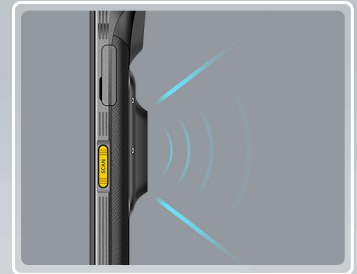




## UHF RFID



# Mobile Computer

## UHF RFID



Android



4G



WiFi



Bluetooth



UHF



1D Barcode



2D Barcode



IRIS



NFC



Camera



GPS

This device is an Android rugged mobile computer. It can be configured with internal UHF module with 1dBi circularly polarized antenna. With its powerful quadcore processor and wireless connections, you can find this easy-to-deploy device an exceptionally valuable helper to increase working efficiency and productivity in retail, logistics and healthcare.



# Specification

## Physical Characteristics

<b>Dimensions</b>	164.2*78.8*17.5mm/6.46*3.10*0.69in
<b>Weight</b>	<321g/11.32oz
<b>Display</b>	5.2" IPS FHD 1920x1080
<b>Touch Panel</b>	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
<b>Power</b>	Main battery: Li-ion, rechargeable, 5000mAh
	Standby: over 350 hours
	Continuous use: over 12 hours (depending on user environment)
	Charging time: 3-4 hours (with standard adaptor and USB cable)
<b>Expansion Slot</b>	1 slot for SIM card, 1 slot for SIM or TF card
<b>Interfaces</b>	USB 2.0 Type-C, OTG
<b>Audio</b>	Speaker, 2 microphones
<b>Keypad</b>	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key
<b>Sensors</b>	Gravity sensor, light sensor, proximity sensor, vibration motor

## Performance

<b>CPU</b>	Cortex-A53 Quad-core 1.3GHz
<b>RAM+ROM</b>	2GB+16GB
<b>Expansion</b>	Supports up to 32 GB Micro SD card

## Developing Environment

<b>Operating System</b>	Android 6.0
<b>SDK</b>	Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse / Android Studio

## User Environment

<b>Operating Temp.</b>	-4°F to 122°F / -20°C to 50°C
<b>Storage Temp.</b>	-40°F to 158°F / -40°C to 70°C
<b>Humidity</b>	5%RH - 95%RH non condensing
<b>Drop Specification</b>	Multiple 1.8m/5.9ft drops (at least 20 times) to the concrete across the operating temperature range
<b>Tumble Specification</b>	1000 x 0.5m/1.6ft falls at room temperature
<b>Sealing</b>	IP65 per IEC sealing specifications
<b>ESD</b>	±8KV air discharge, ±4KV conductive discharge

## Communication

<b>WLAN</b>	IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal antenna
<b>WWAN(Europe)</b>	2G: 850/900/1800/1900MHz
	3G: 850/900/1900/2100MHz
	4G: B1, B3, B5, B7, B8, B20, B40
<b>WWAN(America)</b>	2G: 850/900/1800/1900MHz
	3G: 850/900/1700/1900MHz
	4G: B2, B4, B7, B12, B17

<b>WWAN (China)</b>	2G: 900/1800MHz
	3G: 900/1900/2000/2100MHz
	4G: B1, B3, B5, B38, B39, B40, B41
<b>WWAN (Others)</b>	Depending on the country's ISP
<b>Bluetooth</b>	Bluetooth 4.0, BLE
<b>GNSS</b>	GPS/AGPS, GLONASS, BeiDou; internal antenna

## Data Collection

### UHF RFID

<b>Frequency</b>	865MHz-868MHz / 920-925MHz / 902-928MHz
<b>Protocol</b>	EPC C1 GEN2 / ISO18000-6C
<b>Antenna</b>	Circular polarization (1dB)
<b>Power</b>	0.4W (26dBm, +16dBm to +26dBm adjustable)
<b>R/W range</b>	1m

\* Ranges and rates depend on tags and environment

## Camera

<b>Rear Camera</b>	13MP Autofocus with flash
<b>Front Camera (optional)</b>	5MP camera

## NFC

<b>Frequency</b>	13.56MHz
<b>Protocol</b>	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
<b>Chips</b>	M1 card (S50, S70), CPU card, NFC tags, etc.
<b>Range</b>	2-4cm

## Barcode Scanning (optional)

<b>1D Linear Scanner</b>	Zebra SE965 / Honeywell N4313
<b>1D Symbologies</b>	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
<b>2D Imager Scanner</b>	Zebra: SE4710 / SE4750 / SE4750MR; Honeywell: N6603
<b>2D Symbologies</b>	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.

## Iris (optional)

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

## Accessories



Cradle (Optional)



AC Adaptor



USB Cable