



# HC61

## Handheld Computer

New Generation with robust performance and Android GMS Certified



Android



4G



WiFi



Bluetooth



1D Barcode



2D Barcode



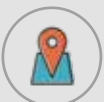
NFC



UHF



Camera



GPS

# Specification

## Physical Characteristics

<b>Dimensions</b>	202.0x72.5x32.0 mm / 7.95x2.85x1.26in.
<b>Weight</b>	390g / 13.76 oz.
<b>Keypad</b>	Main keyboard: 37 keys in total Side keys: 2 SCAN keys+2 volume keys +1 user-defined key
<b>Battery</b>	5200 mAh removable main battery, 5200 mAh optional pistol battery, support QC3.0 and RTC Standby: over 300 hrs (only main battery) Continuous use: over 12 hours (depending on user environment) Charging time: 2.5 hours (charge device by standard adaptor and USB cable)
<b>Speaker</b>	Support
<b>Vibrator</b>	Support
<b>Microphone</b>	2 Microphones, 1 for noise reduction
<b>Display</b>	4-inch high definition full display, IPS LTPS 800*480
<b>Touch Panel</b>	Multi-touch panel, gloves and web hands supported
<b>Sensor</b>	Gravity sensor, proximity sensor, light sensor, accelerometer sensor, vibration motor
<b>Indicator LED</b>	Power, charging, status indicator
<b>Card Slot</b>	1 slot for SIM card, 1 slot for TF card
<b>Interfaces</b>	USB3.0, Type-C, OTG, extended thimble

## Performance

<b>CPU</b>	Qualcomm 1.8 GHz Octa-core
<b>RAM+ROM</b>	2GB+16GB / 3GB+32GB
<b>Expansion</b>	Supports up to 128 GB Micro SD card

## Developing Environment

<b>Operation System</b>	Android 9.0 ; GMS, Android Enterprise, Zero-Touch, FOTA, SotiMobiControl, SafeUEM supported
<b>SDK</b>	Software Development Kit
<b>Language</b>	Java
<b>Tool</b>	Eclipse / Android Studio

## User Environment

<b>Operating Temp.</b>	-20°C to + 50°C
<b>Storage Temp.</b>	-40°C to + 70°C
<b>Humidity</b>	5% RH to 95% RH (non condensing)
<b>Drop Specificaion</b>	Multiple 1.8m / 5.9 ft. drops (at least 20 times) to the concrete across the operating temperature range
<b>Tumble Specification</b>	1000x0.5m / 1.64 ft. falls at room temperature
<b>Sealing</b>	IP65 per IEC sealing specifications
<b>ESD</b>	±15 KV air discharge, ±8 KV conductive discharge

## Communication

<b>WLAN</b>	Support 802.11 a/b/g/n/ac
<b>WWAN (Europe, Asia)</b>	2G: 850/900/1800/1900 MHz
	3G: CDMA EVDO: BC0
	WCDMA: 850/900/1900/2100 MHZ
	TD-SCDMA: A/F(B34/B39)
4G: B1/B3/B5/B7/B8/B20/B38/B39/B40/B41	
<b>WWAN (America)</b>	2G: 850/900/1800/1900 MHz
	3G: 850/900/1900/2100 MHz
	4G: B2/B4/B5/B7/B12/B17/B38
<b>Bluetooth</b>	Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
<b>GPS</b>	GPS/AGPS, GLONASS, BeiDou, internal antenna

## Data Collection

### Camera

<b>Rear Camera</b>	Rear 13 MP Autofocus with flash
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### NFC

<b>Frequency</b>	13.56 MHz
<b>Protocol</b>	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
<b>Chips</b>	M1 card(550, S70), CPU card, NFC tags, etc.
<b>Range</b>	2-4 cm

### UHF(Optional)

<b>Engine</b>	CM2000-1 module based on Impinj Indy R2000
<b>Frequency</b>	865-868 MHz / 920-925 MHz / 902-928 MHz
<b>Protocol</b>	EPC C1 GEN2 / ISO18000-6C
<b>Antenna</b>	Circular Polarized Antenna (4 dBi)
<b>Power</b>	1W (30 dBm, +5 dBm to 30 dBm adjustable) 2W Optional (33 dBm, for Lati America, etc.)
<b>R/W Range</b>	> 25 m (indoors); >15 m (open outdoors, Impinj MR6 tag)
<b>Reading Rate</b>	> 200 tags/s
<b>Communication Mode</b>	Pin Connector

\* Ranges and rates depend on tags and environment

### Barcode Scanning(optional)

<b>2D Scanner</b>	Zebra: SE4710/SE4750/SE4850
<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 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.

### Optional accessories

Separate handle with one button;
Handle+battery (handle battery 5200 mAh, one button);
UHF back clip+battery (handle battery 5200 mAh, one button);
Wrist Strap; Charging Cradle

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