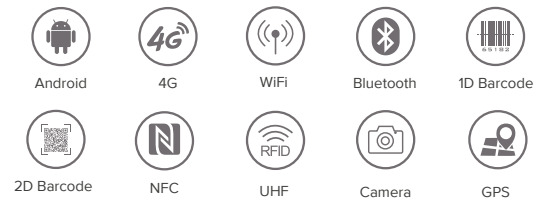




QUALICA-RD 61

**Professional mobile computer
RFID, UHF & Barcode reader.**



The terminal **Qualica-RD 61** is a new generation rugged handheld computer with robust performance. Built with Android 9.0/11 OS and Qualcomm Octa-Core processor, it supports numeric/QWERTY keypad, abundant accessories like trigger handle, and features powerful removable battery. And it delivers optional barcode scanning, RFID, NFC, etc. This mobile computer can fulfill applications in logistics, warehousing, retail, etc.



Specification

Physical Characteristics

Dimensions	202.0 x 72.5 x 32.0 mm / 7.95 x 2.85 x 1.26 in.
Weight	390 g / 13.76 oz.
Keypad	Main: 27 keys / 37 keys / 47 keys Side keys: 2 SCAN keys + 2 volume keys + 1 user-defined key
Battery	5200 mAh removable main battery, 5200 mAh optional pistol battery, support QC3.0 and RTC
	Standby: over 300 hours (only main battery)
	Continuous use: over 12 hours Charging time: 2.5 hours
Speaker	Support
Vibrator	Support
Microphone	2 Microphones, 1 for noise reduction
Display	4-inch high definition full display, IPS LTPS 800*480
Touch Panel	Multi-touch panel, gloves and wet hands supported
Sensor	Gravity sensor, proximity sensor, light sensor, accelerometer sensor, vibration motor
Indicator LED	Power, charging, status indicator
Card slot	1 slot for SIM card, 1 slot for TF card
Interfaces	USB3.0, Type-C, OTG, extended thimble

Performance

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

Developing Environment

Operating System	Android 9.0/11; GMS, Android Enterprise, Zero-Touch, FOTA etc.
SDK	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 to 95% RH (non condensing)
Drop Specification	Multiple 1.8 m / 5.9 ft. drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5 m / 1.64 ft. falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	ESD ±15 KV (air discharge) ±8 KV (conductive discharge)

Communication

WLAN	Support 802.11 a/b/g/n/ac
WWAN (Europe, Asia)	2G: 850/900/1800/1900 MHz
	3G: CDMA EVDO: BCO
	WCDMA: 850/900/1900/2100 MHz
	TD-SCDMA: A/F(B34/B39)
	4G: B1/B3/B5/B7/B8/B20/B38/B39/B40/B41

WWAN(America)	2G: 850/900/1800/1900MHz3G:z
	850/900/1900/2100MHz4G: B2/B4/B5/B7/B12/B17/B38
Bluetooth	Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
GNSS	GPS/AGPS, GLONASS, BeiDou, internal antenna

Data Collection

Camera

Rear Camera	Rear 13 MP Autofocus with flash
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NFC

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

UHF (optional)

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

*Ranges and rates depend on tags and environment

Barcode Scanning (optional)

2D Escaner	Zebra: SE4710/SE4750/SE4850
1D Symbolgies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2
2D Symbolgies	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(See details in Accessory Guide)

Separate pistol grip with one button

Handle + battery (handle battery 5200 mAh, one button);

UHF back clip + handle (5200 mAh, one button);

Wrist Strap; Charging Cradle

