



QUALICA-RD 60

Professional mobile device with
RFID, UHF and Barcode reader



Android



4G



WiFi



Bluetooth



1D Barcode



2D Barcode



NFC



RFID

UHF



Cámara



GPS

QUALICA-RD 60 is a lightweight rugged terminal with excellent performance. Equipped with Android 10.0 operating system, latest generation processor and removable high durability battery to ensure excellent performance. Qualica-RD 60 has multiple scanning options, including barcode, UHF, NFC, front and rear camera, etc. The device is a complete solution for logistics, warehousing, fleet and more, taking data management and operation tracking to the next level.



Physical characteristics

Dimensions	159.5 x 65.7 x 16.8 mm
Weight	219 g. (battery included)
Keyboard	5 side keys : power, 2 SCAN, volume +/-Main keypad; 22 keys (numeric, direction, lock, enter, F1-F10, etc.)
Battery	4350 mAh removable battery, 5200mAh gun battery (UHF version optional) Standby : up to 490 hours (main battery only; WiFi : up to 470h; 4G: up to 440h) Continuous use : more than 12h (depending on environment) Charging time: 2.5 hours (adapter cable and USB)
Speaker	Admitted
Vibrator	Admitted
Microphone	2 Microphones, 1 for sound reduction
Screen	18:9, IPS LTIPS 1080 x 540
Touch panel	Touch panel. Suitable for use with gloves and wet hands.
Sensor	Gravity, proximity, light, accelerometer and vibrator
LED indicator	Power on, charging and reading indicator
Card slot	1 SIM card slot, 1 TF card slot
Interfaces	USB Type-C, USB 2.0, OTG

Performance

CPU	Qualcomm 1.8GHz Octa-core
RAM+ROM	3 GB + 32 GB 4 GB + 64 GB (optional)
Expansion	Supports up to 128 GB Micro SD card

Programming environment

Operating System	Android 10.0
SDK	Software development kit available
Language	Java
Tool	Eclipse / Android Studio

Environment of use

Operat.temperature	-20°C a 50°C
Storage temperature	- 40°C a 70°C
Humidity	5% to 95% relative humidity (non-condensing)
Drip	Multiple 1.5 m drops to the paved floor over the whole operating temperature range
Falls	1000 x 0.5 m at room temperature
Sealing	IP65 according to IEC specifications
ESD	±15 KV (air), ±8 KV (contact)

Communication

WLAN	Supports 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G dua, IPV4, IPV6, 5G PA; Roaming: PMKID, 802.11r, OKC Operational channels: 2.4G(channel 1~13), 5G(channel36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,13 2, 136,140,144,149,153,157,161,165), depending on local regulation. Security and encryption: WEP,WPA/WPA2-PSK(TKIP and AES),WAPI-PSKEAP-TTLS,EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS,PEAP-GTC,etc.
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WWAN	2G: 850/900/1800/1900 MHz 3G: CDMA EVDO: BC0, BC1 WCDMA: B1/B2/B4/B5/B8 TD-SCDMA: A/F (B34/B39) 4G: b1/b2/b3/b4/b5/b7/b8/b12/b13/b17/b20/b28/b38/b39/b40/b41
Vo-LTE	Supports Vo-LTE HD video calls
Bluetooth	Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna

Data acquisition

Camera

Front camera	5MP
Rear camera	Cámara 13MP Autofocus con flash

NFC

Frequency	13,56 MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Chips	Tarjeta M1 (S50, S70), tarjeta CPU, tags NFC, etc.
Reading range	2 cm - 4 cm

UHF (Optional)

Engine	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocolo	EPC C1 GEN2 / ISO18000-6C
Antena	Circular polarised antenna (4 dBi)
Potencia	1W (30 dBm, +5 dBm to +30 dBm adjustable) 2W Optional (33 dBm, etc.)
Rango de lectura	Up to 15 m (outdoor, Impinj MR6 tag)
Frecuencia lectura	900+ tags / s.

*Reading range and range depend on environmental conditions.

Scanner and barcode (optional)

2D Scanner	Zebra: SE4710; Honeywell: N6603; DS7000, IA166S, IA171S
1D symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbologies	~PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, código QR, código Micro QR, Aztec, MaxiCode; Códigos postales: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

Optional accessories (Consult Guide)

Strap for doll. Carrying cot. Grip.

