













# QUALICA-RD



# 75

## QUALICA-RD 75

PROFESSIONAL HANDHELD WITH PRINTER

- |   |   |   |  |  |   |
|---|---|---|--|--|---|
| <br>Android    | <br>4G         | <br>WiFi | <br>Bluetooth | <br>Printer | <br>PSAM |
| <br>1D Barcode | <br>2D Barcode | <br>IRIS | <br>NFC       | <br>Camera  | <br>GPS  |

This handheld computer is a two-in-one device for real-time data collection and printing of receipt. The features such as integrated mobile printer and speed data collection make it a preferred device in the market. The built-in dual slots for PSAM cards help in easy encryption of data. The portable design of this device is a perfect combination of multiple tools used for mobility purposes in various sectors like retail, healthcare, parking, etc.

## Physical Characteristics

<b>Dimensions</b>	186.89*83.99*35.04-49.49mm
<b>Weight</b>	507g/17.88oz
<b>Display</b>	5.2" IPS FHD 1920x1080P
<b>Touch Panel</b>	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
<b>Power</b>	Main battery: Li-ion, rechargeable, 8000mAh
<b>Expansion Slot</b>	2 PSAM slots at most (ISO7816 protocol), 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>	1 power key, 2 scan keys, 1 multifunctional key, numeric keyboard
<b>Sensors</b>	Gravity sensor, light sensor, proximity sensor, vibration motor

## Performance

<b>CPU</b>	Cortex-A53 Quad-core 1.45GHz
<b>RAM+ROM</b>	2GB+16GB
<b>Expansion</b>	Supports up to 128 GB Micro SD card

## Developing Environment

<b>Operating System</b>	Android 10
<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 1m/3.28ft drops (at least 20 times) to the concrete across the operating temperature range
<b>ESD</b>	±15KV air discharge, ±6KV 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: TDD-LTE: B38, B39, B40, B41 FDD-LTE: B1, B3, B5
<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

## Camera

<b>Camera</b>	13MP Autofocus with flash
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## Thermal Printer

<b>Rate</b>	85mm/s
<b>Image Size (pixel)</b>	384 dots
<b>Paper Width</b>	58mm
<b>Paper Diameter</b>	3cm

## 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 / 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
<b>Protocol</b>	ISO/IEC 19794-6, GB/T 20979-2007

## Accessories



AC Adaptor



USB Cable



Printing Paper



Holster(Optional)