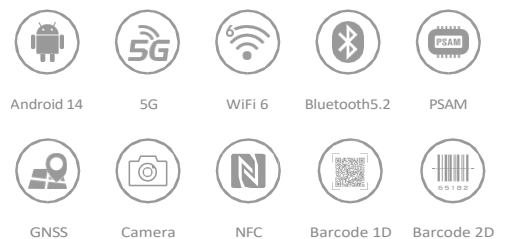




## **QUALICA-RD 100**

### **Industrial Tablet 5G (Android 14)**



**Qualica-RD 100** is a high-performance 5G ruggedized industrial tablet built on Android 14 OS. It features a powerful 5G IoT chip platform and a 2.4 GHz octa-core CPU for fast and efficient user experiences.

Qualica-RD 100 boasts exceptional specifications with a spacious 10.95" high-resolution and sharp 10.95" display. It supports up to 800 nits of brightness, ensuring clear visibility indoors and in bright outdoor environments. It features a removable 10000mAh battery with advanced fast charging up to 27W (9V/3A) and IP69 sealing.

It integrates versatile features such as barcode scanning, NFC, PSAM, camera and supports Wi-Fi 6 and Bluetooth 5.2 for seamless wireless connectivity. It has industrial-grade durability, withstanding multiple 1.2 meter drops onto concrete.

2-year warranty. Ideal for sectors such as retail, logistics, warehousing, storage, retail, manufacturing and government applications.



# Technical Specifications

## Physical characteristics

Dimensions	263.5 x 175.0 x 13.5 mm / 10.37 x 6.89 x 0.53 in. (for standard version)
Weight	802 g / 28.29 oz. (for standard version)
Display	10.95" , 1920x1200, brightness 800 nits
Tacile panel	Corning Glass, multi-touch panel, compatible with gloves and wet hands
Power	Removable 10000mAh main battery with meter Supports fast charging
Expansion Slot	1 PSAM card (optional); 1 Nano SIM card slot, 1 Nano SIM / TF card slot
Interfaces	USB 2.0 Type-C, OTG, compatible with USB digital headphones Type-C
Sensors	Gravity sensor, light sensor, proximity sensor, gyroscope (optional), sensor geomagnetic (optional)
Notification	Sound, LED indicator
Audio	2 microphones; 2 speakers
Keyboard	1 scan key, 1 power key, 1 volume (+/-) key, 2 virtual keys

## Performance characteristics

CPU	2,4 GHz Octa-core
RAM+ROM	4 GB+64 GB/8 GB+256 GB (optional)
Expansion	Supports Micro SD cards up to 512 GB

## Communication

WLAN	Soporta 802.11 a/b/g/n/ac/ax, 2.4G/5G doble banda, 2 * 2 Antena s MIMO
WWAN (Europe, Asia)	2G:GSM:B2/B3/B5/B8 CDMA 1XEVD0 BC0,BC1
	3G:WCDMA:B1/B2/B5/B8
	4G:TDD LTE :B34/B38/B39/B40/B41(2496-2690)/B42/B43 FDD LTE :B1/B2/B3/B4/B5/B7/B8/B20/B28 full/B66
	5G:SA N1/N3/N5/N7/N8/N20/N28/N38/N41(PC2)/N66 /N77/N78/N79
WWAN (America)	2G:GSM:B2/B3/B5/B8 CDMA 1XEVD0 BC0,BC1
	3G:WCDMA:B1/B2/B4/B5
	4G:TDD LT E :B 38 /B 4 1( 24 9 6- 26 90) FDD LTE:B1/B2/B4/B5/B7/B12/B13/B17/B25/B26/B66/B71
	5G:SA N2/N5/N7/N12/N13/N25/N26/N29/N38/N41/N48 /N66/N70/N71/N77/N78
Vo-LTE	Supports Vo-LTE HD video calls
Bluetooth	Bluetooth V5.2, compatible with headphones
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo

## PSAM (Optional)

Card slot	1 PSAM card slot
Protocol	ISO7816

## Data collection

Camera	
Rear camera	13 MP Autofocus with flash
Front camera	5 MP
NFC	
Frequency	13,56 MHz
Protocol	ISO14443A/B,ISO15693,NFC-IP1,NFC-IP2, etc.
Reading	M1 card (S50, S70), CPU card, NFC tags, etc.
Gama	2-4 cm
Barcode scanning	
Scan engine	Zebra SE4100, SE5500;CM60;CB300;Honeywell:N6703
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS,etc.
2D Symbolologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, Código QR, Código Micro QR, Aztec, MaxiCode; Códigos postales:US PostNet, US Planet, UK Postal, Australian Postal, JapanPostal, Dutch Postal (KIX),etc.

## Environment under development

Operating System	Android 14
SDK	Qualica-RD software development kit
Tool	Java
Language	Eclipse/Android Studio

## User environment

Operating Temperature	-4°F to 122°F /-20 °C to 50 °C
Storage Temperature	-40°F to 158°F /-40 °C to 70 °C
Humidity	5% RH-95% RH (without freezing)
Drop Specification	Multiple 1.2 m / 3.94 ft. drops on concrete in the full range of operating temperatures
Sealing	IP69 according to IEC watertightness specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

## Standard product accessories



Adapter (included)



Data cable (included)