

HANDHELD READER MOBILE COMPUTER IDT RHC90



The IDT RHC90 is a tough handheld computer with very strong performance. It runs on Android 10/14 and has a fast processor. It comes with useful features like barcode scanning, strong WiFi, NFC, and front and rear cameras. Offering great performance at a good price, the RHC90 is ideal for many industries, including logistics, warehousing, retail, and healthcare.

PHYSICAL PARAMETER

Dimension	158.5 x 76.0 x 13.1 mm / 6.24 x 2.99 x 0.52 in.
Weight	230g
Interface	USB Type-C, USB 2.0, OTG
Sensor	Light sensor, proximity sensor, gravity sensor
Display	5.7-inch (18:9) , IPS LTPS 1440 x 720
Battery	Main battery: built-in 5000 mAh Standby: up to 490 hours (only main battery ; WiFi: up to 470h; 4G: up to 440h) Continuous use: over 12 hours (depending on user environment) Charging time: 2.5 hours (charge device by standard adaptor and USB cable)
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Audio	2 microphones, 1 for noise cancellation; 1 speaker; receiver
Notification	Sound, LED indicator, vibrator
Keypad	Power, 2 scan keys, volume +/-

PERFORMANCE

Processor	2.0 GHz Octa-core
Expansion	Supports up to 256 GB Micro SD card
Memory	3GB+32GB / 3GB+64GB / 4GB+64GB

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20 °C to +50 °C
Storage Temperature	-40 °C to +70 °C
Humidity	(Storage) 5% RH - 95% RH non condensing
Drop Test	Multiple 1.5 m to the concrete
Protection	IP67

COMMUNICATION

WLAN	Support IEEE802.11 a/b/g/n/ac/d/e/h/i/k/r/v/w, 2.4G/5G dualband, IPV4, IPV6; Support 5G PA Fast roaming: PMKID caching, 802.11r, OKC Operating Channels: 2.4G(channel 1~13), 5G(channel36,38,40,42,44,46,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,149,153,157,161,165), depends on local regulations Security and Encryption: WEP, WPA/WPA2-PSK(TKIP and AES), WAPI-PSK—EAP-TTLS, EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS, PEAP-GTC, etc.
WWAN	2G: GSM850/GSM900/DCS1800/PCS1900 3G: CDMA EVDO: Bc0 WCDMA: B1/B2/B4/B5/B8 TD-SCDMA: A/F(B34/B39) 4G: B1/B2/B3/B4/B5/B7/B8/B20/B34/B38/B39/B40/B41
Bluetooth	V2.1+EDR, 3.0+HS and V4.1+HS, BT5.0
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna

NFC

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

CAMERA

Front Camera	5MP
Rear Camera	Rear 16MP Autofocus with flash

BARCODE SCANNING (OPTIONAL)

2D Scanner

Honeywell: N6603 / N6703

1D Symbologies

UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5,

2D Symbologies

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

Charging Cradle; Lanyard etc.

DEVELOPING ENVIRONMENT

SDK

IDT RHC90 Software Development Kit

Operating System

Android 10/14, GMS, FOTA, Soti MobiControl, Android Enterprise Recommended, Zero-Touch, 90-day security updates, SafeUEM supported

Language

Java

Tool

Eclipse / Android Studio

ORDER INFORMATION

Part Number

IDT.RH.C90

APPLICATION AREA



Retail



Construction



ETC



Manufacturing
Unit



Transport



Supply
Chain



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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