

RFID UHF Tablet Scanner IDT RHP80

Designed using Impinj E710 module



Bluetooth 5.1
BLE



IP 65



Impinj
E710 Module



Android 13



UHF RFID



54689501878

Barcode
(1D & 2D)

The IDT RHP80 is a newly upgraded rugged tablet powered by Android 13. It comes with a fast Octa-core processor, an 8-inch HD display, and a long-lasting 8700mAh battery. The device supports multiple data capture features such as UHF RFID, barcode scanning, fingerprint recognition, and NFC, making it easy to use in retail, logistics, warehousing, identity checks, and more to boost productivity.

PHYSICAL PARAMETERS

Dimensions	250.8 x 152.0 x 15.0 mm
Weight	680 g
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Display	8" IPS LTPS 1920 x 1200 / IPS LTPS 1280 x 800
Interface	USB 2.0 Type-C, OTG
Battery	8000 mAh; Standby: over 500 hours
Alarm	Audio & Visual
Expansion Slot	1 slot for SIM card, 1 slot for SIM / TF card, Optional dual PSAM card slots 1
Keypad	front key, 1 volume key, 1 power key, direction key (optional)
Sensor	Gravity sensor, gyroscope, accelerometer sensor; light / proximity sensor

PERFORMANCE

Processor	Octa-core 2.0 GHz; GMS&AER
Expansion	Supports up to 256 GB Micro SD card
RAM+ROM	3 GB + 32 GB / 4 GB + 64 GB (Optional)

ENVIRONMENTAL SPECIFICATION

Temperature	-20°C to +50°C (Operating), -40°C to +70°C (Storage)
Humidity	5% RH - 95% RH non condensing
Drop Test	Multiple 1.5m to the concrete
Protection	IP 65

COMMUNICATION

Bluetooth	Bluetooth 5.1
WLAN	Support 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G dual-band, IPV4, IPV6;
WWAN	2G, 3G & 4G
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, internal antenna
Vo-LTE	Support Vo-LTE HD video voice call

UHF RFID

Frequency	865-868 MHz EPC C1 GEN2 / ISO18000-6C
Antenna	Circular polarization
Power	1W (30dBm, +5dBm to +33dBm adjustable)
R/W Range	Up to 10 m (open outdoors, Impinj MR6 tag)
Reading Range	900+ tags/sec
Impinj Gen2X	Supported

OPTIONAL FEATURE

Barcode	1D & 2D
Fingerprint	Fingerprint enrollment, match, storage etc.
PSAM	2 PSAM slots (maximum)
NFC	13.56 MHz (0-4 cm)

ACCESSORIES

Standard	AC Adaptor, USB Cable, Lanyard.
Optional	Cradle, Holster

DEVELOPING SUPPORT

Operating System	Android 13; GMS&AER, 90-day security updates, FOTA, Soti MobiControl, SafeUEM supported
Language	Java
SDK	Provided
Tool	Eclipse / Android Studio

CAMERA

Rear Camera	13 MP Autofocus with flash
Front Camera	8 MP

ORDER INFORMATION

Part Number	IDT.RH.P80
-------------	------------

APPLICATION AREA



ID TECH SOLUTIONS PVT. LTD.

610, Udyog Vihar Phase-5, Gurgaon, Haryana - 122016, INDIA | T. : +91-124 - 4255530 (6 Lines)

E.: info@idsolutionsindia.com | W: www.idsolutionsindia.com



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

©2025 ID Tech Solutions Pvt. Ltd. All Rights Reserved.