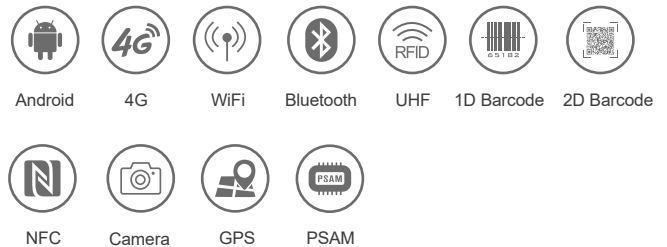




TP80

Rugged Industrial Tablet



TP80 with abundant functions is an Android 13 rugged tablet. With its powerful Octa-core CPU, 8 inch high-definition screen, 8700mAh battery and comprehensive data capture options like UHF RFID, barcode scanning, NFC, etc., you can find this easy-to-deploy device a valuable helper to increase productivity in retail, logistics, warehousing, identity verification, etc.



Specification

Physical Characteristics

Dimensions	250.8 x 152.0 x 15.0 mm / 9.87 x 5.98 x 0.59 in. (for standard version)
Weight	680 g / 23.99 oz. (for standard version)
Display	8" IPS LTPS 1920 x 1200
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	Main battery: Li-ion, rechargeable, 8700 mAh Standby: over 500 hours Continuous use: over 10 hours (depending on user environment) Charging time: 5-7 hours (with standard AC adaptor and USB Cable)
Expansion Slot	1 slot for Micro SIM card, 1 slot for Micro SIM / TF card, Optional dual PSAM card slots
Interfaces	USB 2.0 Type-C, OTG
Sensors	Gravity sensor, gyroscope, geomagnetic sensor, light / proximity sensor
Notification	Sound, LED indicator
Audio	1 microphone; 1 speaker
Keypad	1 front key, 1 volume key, 1 power key, direction key (Optional)

Performance

CPU	2.0 GHz Octa-core
RAM+ROM	4 GB + 64 GB
Expansion	Supports up to 256 GB Micro SD card

Developing Environment

Operating System	Android 13
SDK	Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	-4 °F to 122 °F / -20 °C to 50 °C
Storage Temp.	-40 °F to 158 °F / -40 °C to 70 °C
Humidity	5% RH - 95% RH non condensing
Drop Specification	Multiple 1.5 m / 4.92 ft. drops to concrete across the operating temperature range
Tumble Specification	500 x 0.5 m / 1.64 ft falls at room temperature
Sealing	IP65 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

Communication

WLAN	Support 802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G dual-band, IPV4, IPV6;
	Fast roaming: PMKID caching, 802.11r, OKC;
	Operating Channels: 2.4G(channel 1~13), 5G(channel 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,144,49,153,157,161,165), 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 EU	2G: GSM900 & GSM1800 3G: WCDMA Band I & WCDMA Band VIII 4G: LTE Band 1/3/7/8/20/28/34/40
WWAN US	2G: GSM850 & GSM1900 3G: WCDMA Band II & WCDMA Band V 4G: LTE Band 2/4/5/7/12/13/17/40/41
Vo-LTE	Support Vo-LTE HD video voice call
Bluetooth	Bluetooth 5.1
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo, Internal Antenna

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.
Chips	M1 card (S50, S70), CPU card, NFC tags, etc.
Range	0-4 cm

Barcode Scanning (Optional)

Scan Engine	Zebra SE4710 (standard)
1D Symbolgies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbolgies	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.

UHF RFID (Optional)

Engine	CM710-1 module based on Impinj E710
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular polarization (3 dBi)
Power	1W (30 dBm, +5 dBm to +30 dBm adjustable) 2W Optional (33dBm, for Latin America, etc.)
R/W range	UHF: Up to 10 m (open outdoors, Impinj MR6 tag)
Fastest Read Rate	900+ tags/sec

* Ranges and rates depend on tags and environment.



PSAM (Optional)

Card slot	2 PSAM card slots
Protocol	ISO7816

Accessories



AC Adaptor



USB Cable



Wristband



Rugged Rubber Boot (Optional)



Charging Cradle (Optional)



Holder (Optional)

Notice: Product specifications are subject to change without prior notice. / Model: TP80 / Update Date: 2024-02-22

