



P80

Optical Fingerprint Tablet



Android



4G



WiFi



Bluetooth



GPS



1D Barcode



2D Barcode



NFC



Fingerprint



Camera

This is an Android 9.0 rugged tablet with abundant functions . With its powerful Qualcomm CPU, 3rd generation corning gorilla 8 inch corning high-definition screen, 8000 mAh battery and comprehensive data capture options like barcode scanning, NFC and fingerprint recognition, etc. You can find this easy-to-deploy device a valuable helper to increase productivity in retail, logistics, warehousing, identity verification, meter reading, etc.



Specification

Physical Characteristics

Dimensions	250.8mm x 152mm x 15mm/ 9.87 x 5.98 x 0.59in(for standard version)
Weight	700g/24.7oz(for standard version)
Display	8" IPS LTPS 1920x1200 / 1280x800
Touch Panel	Corning Gorilla Glass 3, multi-touch panel, gloves and wet hands supported
Power	Main battery: Li-ion, rechargeable, 8000mAh 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 SIM card, 1 slot for SIM / TF card, Optional dual PSAM card slots
Interfaces	USB 3.0 Type-C, OTG
Audio	Speaker, microphone
Keypad	1 front key, 1 volume key, 1 power key
Sensors	Gravity sensor

Performance

CPU	SDM450 1.8GHz Octa-core
RAM+ROM	3GB + 32GB / 4GB + 64GB
Expansion	Supports up to 128GB Micro SD card

Developing Environment

Operating System	Android 9.0; GMS certified, Android Enterprise with Zero-Touch configuration.
SDK	Chainway 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 1.5m/4.9ft drops to concrete across the operating temperature range
Tumble Specification	500 x 0.5m/1.64ft falls at room temperature
Sealing	IP 65. Complete protection against contact (dust tight). Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects.
ESD	±15KV air discharge, ±8KV 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(channel36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,144,149,153,157,161,165),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.
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WWAN	2G: 850/900/1800/1900MHz, GPRS, EDGE 3G: CDMA EVDO:BC0 TD-SCDMA: B34/B39 WCDMA: B1/B2/B5/B8 4G: TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B26/B28
WWAN (Others)	Depending on the country's ISP
Vo-LTE	Support Vo-LTE HD video voice call
Bluetooth	Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
GNSS	GPS/AGPS, GLONASS, BeiDou,Galileo,internal antenna

Data Collection

Camera

Rear Camera	13MP Autofocus with flash
Front Camera	8MP

Barcode Scanning

Scan Engine	Zebra SE4710 (standard), Zebra SE4850 (optional)
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, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch, Postal (KIX), etc.

RFID

NFC	
Frequency	13.56MHz

Fingerprint

Sensor	Optical Morpho CBM-E3
Sensing Area (mm)	14x22
Resolution (dpi)	500 dpi, 256 greylevel
Certifications	FIPS PIV IQS / ISO 19794-4, MINEX & FIPS 201 complaint, STQC
Format Extraction	ISO 19794-2/4
Fake Finger Detection	Yes
Security	FIPS 140-2 level 2, multiple security methods available, including image and templates encryption, template signature, secure tunneling, etc.

Accessories(See details in Accessory Guide)



Notice: Product specifications are subject to change without prior notice. / Model: P80 / Update Date: 2020-03-18

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