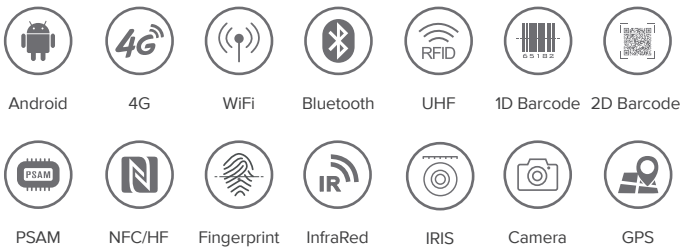


CHAINWAY



P80 Industrial Tablet



Specification

Physical Characteristics	
Dimensions	250.8mm x 152mm x 15mm/ 9.87 x 5.98 x 0.59in
Weight	700g/24.7oz
Display	8" IPS LTPS 1920x1200
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	Main battery: Li-ion, rechargeable, 8000mAh
Expansion Slot	1 slot for SIM card, 1 slot for TF card, 2 optional slots for PSAM cards (ISO7816 T=0, T=1 protocol)
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	1.8GHz SDM450/MSM8953/MSM8953PRO
RAM+ROM	2GB+16GB
Expansion	Supports up to 32GB Micro SD card

User Environment	
Operating System	Android 7.1
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 1.2m/3.9ft drops to concrete across the operating temperature range
Tumble Specification	500 x 0.5m/1.64ft falls at room temperature
Sealing	IP65
ESD	±8KV air discharge, ±4KV conductive discharge

Communication	
WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
WWAN(Europe)	2G: 850/900/1800/1900MHz
	3G: 850/900/1900/2100MHz
	4G: B1, B3, B5, B7, B8, B20, B40
WWAN(America)	2G: 850/900/1800/1900MHz
	3G: 850/900/1700/1900MHz
	4G: B2, B4, B5, B26, B41
WWAN (China)	2G: 900/1800MHz
	3G: 900/1900/2000/2100MHz
	4G: TDD-LTE: B38, B39, B40, B41 FDD-LTE: B1, B3, B8
WWAN (Others)	Depending on the country's ISP
Bluetooth	Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
GNSS	GPS/AGPS, GLONASS, BeiDou, internal antenna

Data Collection	
Camera	
Rear Camera	13MP Autofocus with flash
Front Camera	8MP

Barcode Scanning (Optional)	
Scan Engine	Zebra SE4710 (standard), Zebra SE3850 (optional)
Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
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.

RFID (Optional)	
UHF	
Frequency	865MHz-868MHz / 920-925MHz / 902-928MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	circular polarization (4dBi)
Power	1W (30dBm, +5dBm to +30dBm adjustable)
R/W range	> 10m (open outdoors); > 20m (indoors)
Reading rate	> 200 tags/s
* Ranges and rates depend on tags and environment	

HF/ NFC	
Frequency	13.56MHz
*HF RFID is alternative to NFC.	

Fingerprint (Optional)	
Option 1	
Sensor	TCSI/TCS2 Capacitive
Sensing Area (mm)	12.8×18; 10.4×14.4
Resolution (dpi)	508 dpi, 8-bit greylevel
Certifications	FIPS 201, STQC
Format Extraction	ISO 19794, WSQ, ANSI 378, JPEG2000
Fake Finger Detection	Support by SDK
Security	AES, DES key encryption of the host communication channel

Option 2	
Sensor	Optical Morpho CBM-E3
Sensing Area (mm)	14×22
Resolution (dpi)	500 dpi, 256 greylevel
Certifications	FIPS PIV IQS / ISO 19794-4, MINEX & FIPS 201 complaint, STQC
Format Extraction	ISO 19794-2/4, WSQ, ANSI 378, etc.
Fake Finger Detection	Latex, Gelatin, Plasticine, Kapton, Transparent Film, Silicone, Rubber, Play-doh, Graphite Or Paper
Security	FIPS 140-2 level 2, multiple security methods available, including image and templates encryption, template signature, secure tunneling, etc.

InfraRed (Optional)	
Wavelength	940nm
Frequency	38kHz
Range	> 4m
Protocol	DLT_645-2007, DLT_645-1997

Front Iris (Optional)	
Rate	<150ms
Range	20-40cm
FAR	1/10000000

Notice: Product specifications are subject to change without prior notice. / Model: P80 / Update Date: 2018-04-26

CHAINWAY®

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