

HUGEROCK B80

RUGGED BIOMETRICS TABLET PC

8 Inch FAP10 Fingerprint Data Collection and Verification Platform

HUGEROCK B80 Rugged Biometrics Data Collection and Verification Tablet PC is from SOTEN TECH. It has 8 inch FHD screen with 1000nit, Sunlight readable, based on a MTK Helio P60 Octa-core processor and 4G communication technology, and 18900mAh battery. B80 uses titanium aluminum alloy body frame, multiple shell protection design. Use Android system with GMS certification and support Safeuem EDM system. B80 equipped with a new type of compact and thin optical fingerprint sensor with back light in the module. The sensor can acquire a full fingerprint image at one touch. It also delivers superior quality image which has effectively more than 32768 grayscale resolutions in every pixel. B80 can be applied to security, justice, inspection, entry-exit, notarization, banking, securities, hotels, social security, education, transportation, place registration, personnel recruitment, and other application environments that need to verify the biological characteristics of personnel.



1000NIT
FHD Display



18900mAh
Polymer Battery



MIL-810G
Drop-proof 1.5m



Helio P60 A73
12nm FinFET



Google
GMS



MDM
Mobile Device
Management
By Safeuem



FBI
Certification



RoHS
Certification



HUGEROCK-B80
Tools for Biometrics

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APPEARANCE



SPECIFICATION

Model: B80

Hardware		Communications & Networking	
CPU	ARM Cortex A73 Octa-core (2.0GHz)	Phone Call	GSM /WCDMA/VoLTE
GPU	ARM Mali-G72 MP3	2G	GSM/EDGE/GPRS/WAP
RAM	8GB	2G Band	GSM (B2/3/5/8)
Internal Memory	128GB	3G	WCDMA 3.75G (HSDPA+42.2Mbps, HSUPA+11.5Mbps)
External Memory	Micro SD card (T-FLASH card), Max 2TB	3G Band	WCDMA (B1/2/5/8)
Main Camera	13.0MP (AF) with flash led	4G	FDD: 150Mbps down, 50Mbps UP TDD: 150Mbps , 50Mbps up
Sub Camera	5.0MP	4G Band	TDD-LTE (B38/39/40/41); FDD LTE (B1,B2,B3,B4,B5,B7,B8,B12,B17,B20,B28)
Battery	18900mAh	WI-FI	Dual-band WIFI (2.4GHz/5Ghz) single stream 802.11 a/b/g/n/ac
Display	8 inch IPS/AFFS FHD 1920*1200 industrial 1000nit Sunlight -Readable	Bluetooth	5.0 Low Energy (LE)
Touch Panel	Capacitive/frosted tempered film supports glove touch/spray/active capacitive pen	Industrial & Reliability Design	
IO/Sensor/Navigation		Shake-proof	1-19Hz/1.0mm; 19-200Hz/1.0g
SIM Card/TF Card	Nano SIM card * 2, Micro SD card * 1 (Choose any two out of three)	Dropproof/IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
Charging Interface	Type-C & 4pin pogo pin (magnetic)	Waterproof	Class 7 (IEC 60529)
Data Interface	USB Type-A (Host)*1, Type-C*1	Dustproof	Class 6 (IEC 60529)
Gravity Sensor	support	Operating Temperature	-20°C to 55°C
Magnetic Field Sensor	support	Storage Temperature	-40°C to 80°C
Motion Sensor	support	Reliability	MTBF>5000h; MTTR<0.5h
Gyroscope Sensor	support	RH	5% to 95% (95%RH, non-condensing)
Light-Sensor	support	Operating Altitude	Max: 4,500m (15,000 feet)
Acceleration Sensor	support	Certification/OS/Software	
Charger	5.0V 2A-10W	Certification	3C/CE/ROHS/IP67 (IEC 60529)
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	Language	English, Spanish, Portuguese (Brazil), Portuguese (Portugal), Italian, German, Dutch, French, Polish, Romanian, Turkish, Russian, Arabic, Indonesian, Malay, Thai, Vietnamese, Hindi, Hebrew, Simplified, Chinese,Chinese Traditional, etc.
Appearance		OS	Android 9/10/11/13 (Continuous Update)
Size	256*159*23mm (LxWxH)	Package/Warranty terms	
Weight	1015g	Warranty	24 Months (12-month Battery Warranty)
Color & Material	Gray (PC+ABS) +Black (TPU)	Package	USB Cable/ Charger/ Introduction Manual/ Screen protector/ Packing box/ Magnetic Charging Cable/ Precautions Card/ Hand strap



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FUNCTION MODULES

NFC		Fingerprint Module	
Protocol standard	ISO14443A/B, ISO15693, NFC	G2010 Fingerprint Module	Grayscale: 32768
Label standard	M1 (S50, 70), CPU, NFC		FAP10, 508 dpi, 8 bit, 256X360,
Read-write distance	2-5cm		FBI MINEX III (NIST Certification)
			RoHS Certification
			9H sapphire scratch resistant layer

PRODUCT CONFIGURATION

Order Number	Module		Recommend	
	Module 1	Module 2		
				
	G2010 Fingerprint Module	NFC Nodule		
05121058	●	●	*	