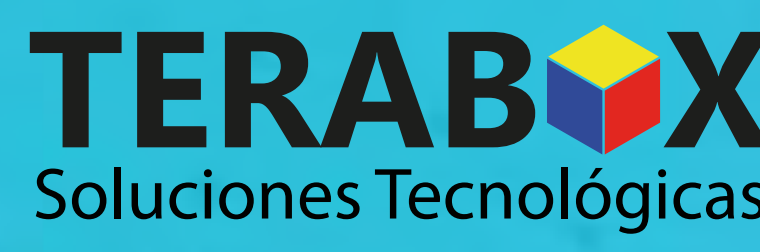
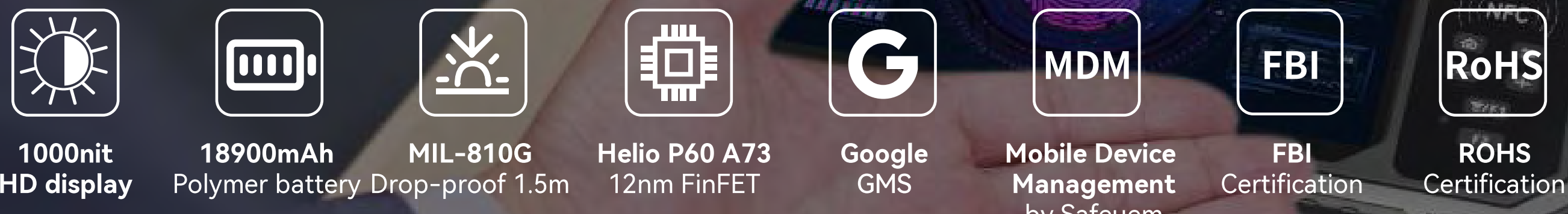


## HUGEROCK B80 Version:2021

### 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 18900 mAh 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.



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## APPEARANCE



- 1. Type-A(Sealed Cover)
- 5. The fingerprint module
- 9. Volume Up
- 13. Power button
- 17.Barcode module(Optional)
- 21.10PIN expansion interface

- 2. Sub Camera
- 6. Home button
- 10. Scan button
- 14. SIM/TF card slot(Sealed Cover)
- 18. Mic
- 22. Nameplate

- 3. Light sensor
- 7. Back button
- 11. Defined button
- 15. Type-c(Sealed Cover)
- 19. 4PIN magnetic charging in terface(Optional)

- 4. Charge lamp
- 8. Volume Down
- 12. Speaker
- 16. SMA interface(Optional)
- 20. Main camera



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## SPECIFICATION

Model:B80

Hardware		Communications & Networking	
CPU	ARM Cortex A73 Octa-core (2.0GHz)	Phone Call	GSM /WCDMA/CDMA 1X/VoLTE
GPU	ARM Mali-G72 MP3	2G	GSM/CDMA 1X/EDGE/GPRS/WAP
RAM	8G	2G Band	GSM (B2/3/5/8)
Internal Memory	128G	3G	WCDMA 3.75G (HSDPA + 42.2Mbps, HSUPA + 11.5Mbps), EVDO
External Memory	Micro SD card (T-FLASH card), max 256GB	3G Band	WCDMA (B1/2/5/8), Evdo: BC0/BC1 CDMA: BC0/BC1
Main Camera	13.0MP(AF) with flash led	4G	FDD: 150Mbps down, 50Mbps UP TDD: 150Mbps downlink, 50Mbps uplink
Sub Camera	5.0MP	4G Band	TD-LTE ?(B38/39/40/4); FDD LTE (B1/2/3/4/5/7/8/12/17/20/28)
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	4.2 Low Energy (LE)
Touch Panel	Capacitive/frosted tempered film supports glove touch/spray/active capacitive pen	<b>Industrial &amp; Reliability Design</b>	
<b>IO/Sensor/Navigation</b>		Shake-proof	1-19Hz/1.0mm; 19-200Hz/1.0g
SIM Card	Nano sim card*2	Dropproof /IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
TF Card	Micro SD card (T-FLASH card); max 256GB	Waterproof	Class 7 (IEC 60529)
Headphone	3.5mm (CTIA)	Dustproof	Class 6 (IEC 60529)
Charging interface	Type-C & 4PIN magnetic charging	Operating temperature	-20°C to 55°C
Data interface	USB Type-A(Host)*1, Type-C(OTG)*1	Storage Temperature	-40°C to 80°C
Direction Sensor	support	Reliability	MTBF>5000h; MTTR<0.5h
Gravity sensor	support	RH	5% to 95%
Magnetic Field Sensor	support	Operating Altitude	Max: 4,500m (15,000 feet)
Motion sensor	support	<b>Certification/OS/Software</b>	
Rotation Vector	support	Certification	3C/FCC/CE/ROHS/IP67 (IEC 60529)
Light-sensor	support	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.
Acceleration sensor	support	OS	Android 10.0 / Android 11.0
Charger	5.0V 2A-10W	<b>Package/Warranty terms/OEM</b>	
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	Warranty	24 months
<b>Appearance</b>		OEM/ODM	Support
Size	256*159*23mm (L*W*H)	Package	USB cable/Charger 5V 2A/Introduction manual/Screen protector/Packing box (Can be customized logo)/Aircraft box/Toolkit (optional)/SIM Card Ejector
Weight	1015g		
Color & Material	Gray (PC+ABS)		



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## FUNCTION MODULES

NFC		Verification and collection	
Frequency	13.56MHz	Thin film optical fingerprint sensor	Grayscale: 32768
Protocol standard	ISO14443A/B, ISO15693, NFC		FAP10, 500 dpi, 8 bit, 256X360,
Label standard	M1(S50, 70), CPU, NFC		FBI MINEX III (NIST Certification)
Read-write distance	2-5cm		RoHS Certification
<b>Data Collection</b>			
Scanning engine	Newland N1		
1D	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, ETC.		
2D	Code39, Code128, PDF417, MicroPDF417, DataMatrix, Composite, RSS,TLC-39, QR code, Micro QR code, Aztec, MaxiCode, Postal Code; US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, etc.		

## PRODUCT CONFIGURATION

Order number	Module			
	The fingerprint module	RFID Module	Barcode module	recommend
	Thin film optical fingerprint module	NFC module	N1	
B80110	•	•		*
B80111	•	•	•	



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