

HUGEROCK B81

RUGGED BIOMETRICS TABLET PC

8 Inch FAP20 Fingerprint Data Collection and Verification Platform

HUGEROCK B81 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 14000 mAh battery. B81 uses titanium aluminum alloy body frame, multiple shell protection design. Use Android system with GMS certification and support Safeuem EDM system. B81 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. The B81 is used in a wide range of applications such as government elections, public security, education, urban management, transportation, banks, hotels, post offices, securities, insurance, telecommunications, civil affairs, logistics and many other areas where biometric verification of personnel is required.



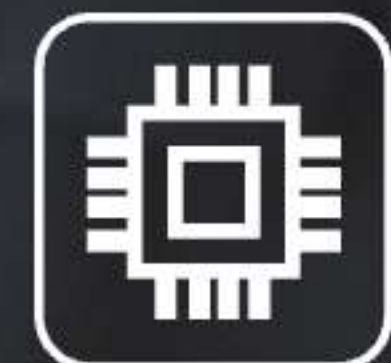
1000nit
FHD Display



14000mAh
Polymer Battery



ISO7816
Module



Helio P60 A73
12nm FinFET



Google
GMS



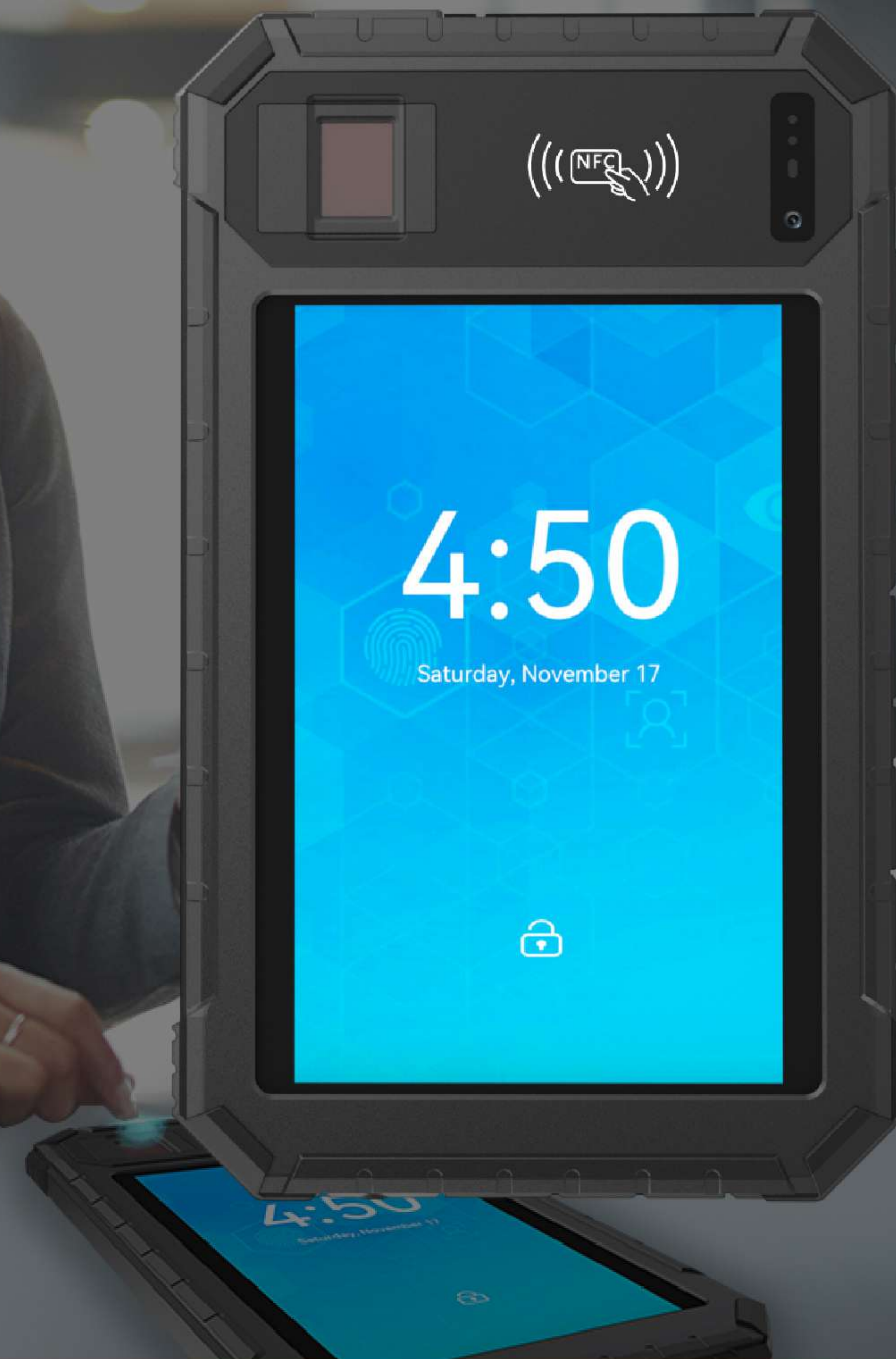
FAP20
500dpi 300X400



FBI
Certification



RoHS
Certification



HUGEROCK-B81
Tools for Biometrics

Shenzhen SOTEN Technology Co., LTD

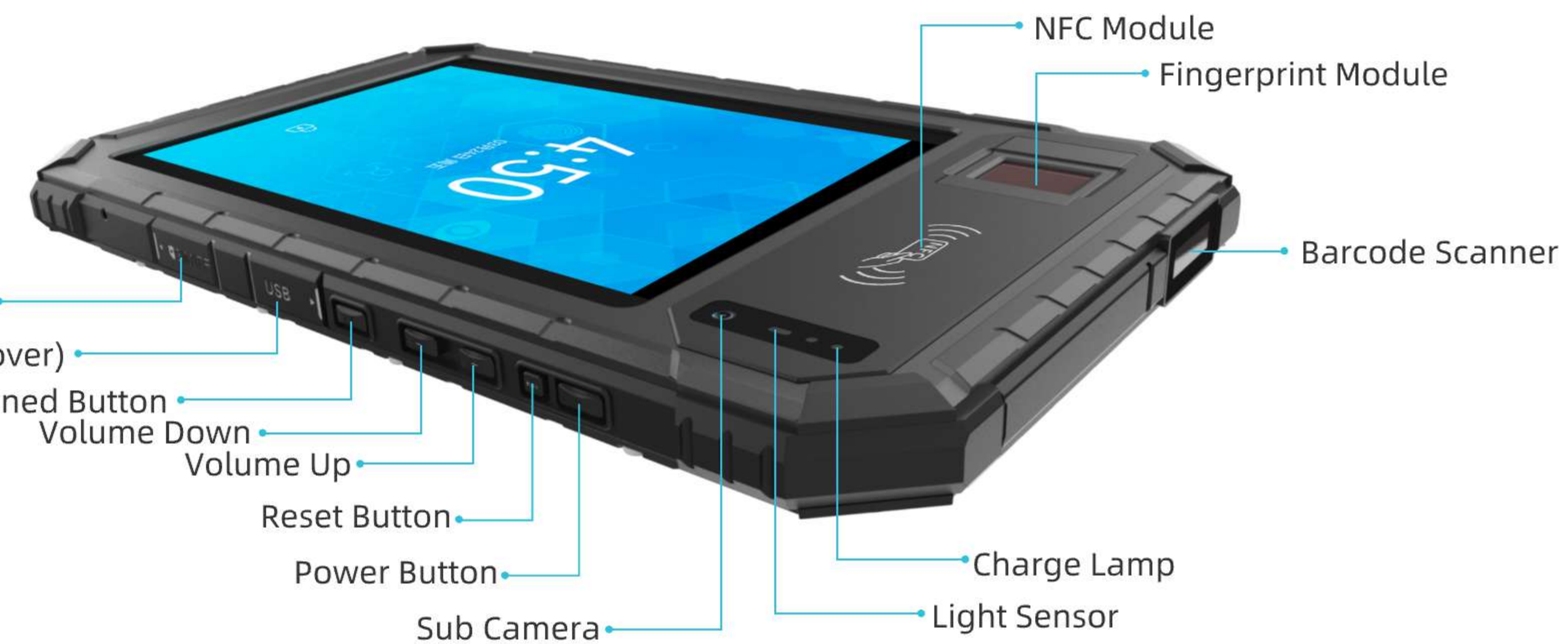
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DC charging Interface Type-C (Sealed Cover) Headphone (Sealed Cover)



SPECIFICATION

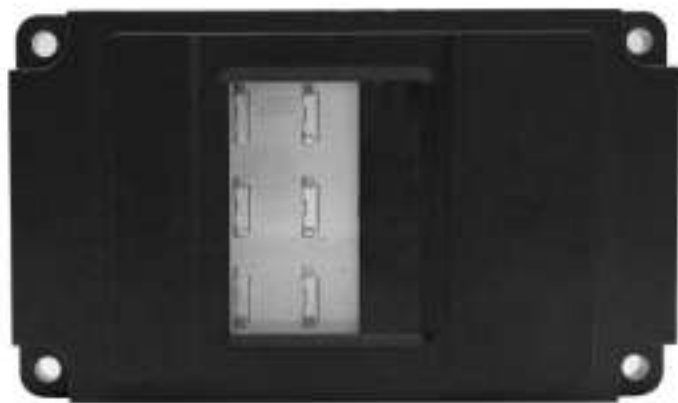
Model: B81

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	14000mAh	WI-FI	Dual-band WIFI (2.4GHz/5Ghz) single stream 802.11 a/b/g/n/ac
Display	8 inch IPS/AFFS FHD 1200*1920 industrial 1000nit Sunlight -Readable	BT	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
DC charging interface	DC 5521 5.0V 2A-10W	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
Gyro 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	267*165*21mm (L×W×H)	Package/Warranty terms	
Weight	850g	Warranty	24 Months (12-month Battery Warranty)
Color & Material	Black (PC+ABS)	Package	USB cable/Charger 5V 2A/Introduction manual/Screen protector/Packing box/SIM Card Ejector

FUNCTION MODULES

NFC		Fingerprint Module	
Protocol standard	ISO14443A/B, ISO15693, NFC	FAP20 Fingerprint Module	RoHS Certification
Label standard	M1(S50, S70), CPU, NFC		Image size: 300X400 pixel (W*H)
Read-write distance	2-5cm		Image grayscale leve: 256
ISO7816 contact card reader module			Compliant with ISO 19749: 2021 certification standard FBI-PIV&FAP20 standard
Support card type	Common logic encryption IC card and T=0, 1 protocol CPU card	Data Collection	
Support Agreement	Support for 1 SAM card according to GSM 11.11 (optional)	Scanning engine	E20 Barcode Module
		2D	QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417, Aztec, Maxicode, Hanxin code, Dotcode, Composite.
		1D	Code 128 (ISBT 128, AIM 128, GSI 128), EAN-13, EAN-8, UPC-E, UPC-A, ISBN, ISSN, Code11, Interleaved 2 of 5, Code39, Code93, Code32, Codabar, Matrix 2 of 5, Industrial 25, IATA25, MSI Plessey, GSI DataBar, Plessey, Febraban.

PRODUCT CONFIGURATION

Order number	Module					
	Module 1	Module 2	Module 3	Module 4	Recommend	
						
	FAP20 Fingerprint Module	NFC Module	ISO7816 Contact Card Ceadar Module	E20 Barcode Module		
05121060	●	●	●	●	*	