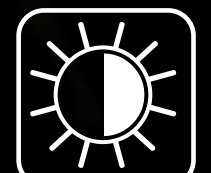
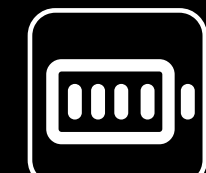
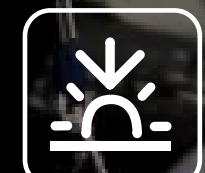



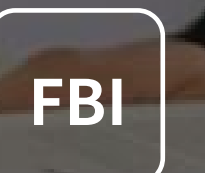



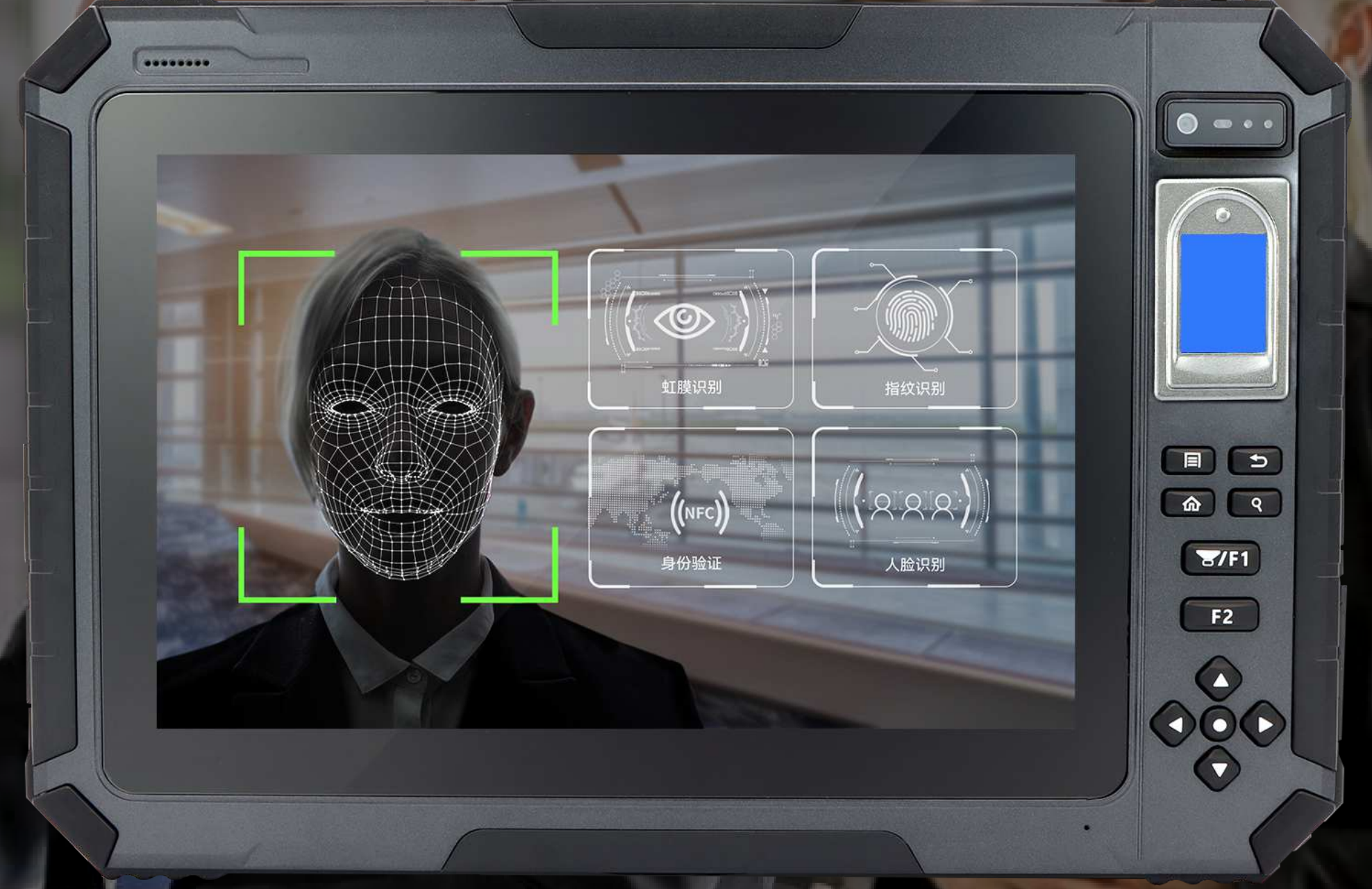
# HUGEROCK B101 Version:2021

## RUGGED BIOMETRICS TABLET PC

10.1 Inch Thin and Lightweight FAP10 Fingerprint Data Collection and Verification Platform

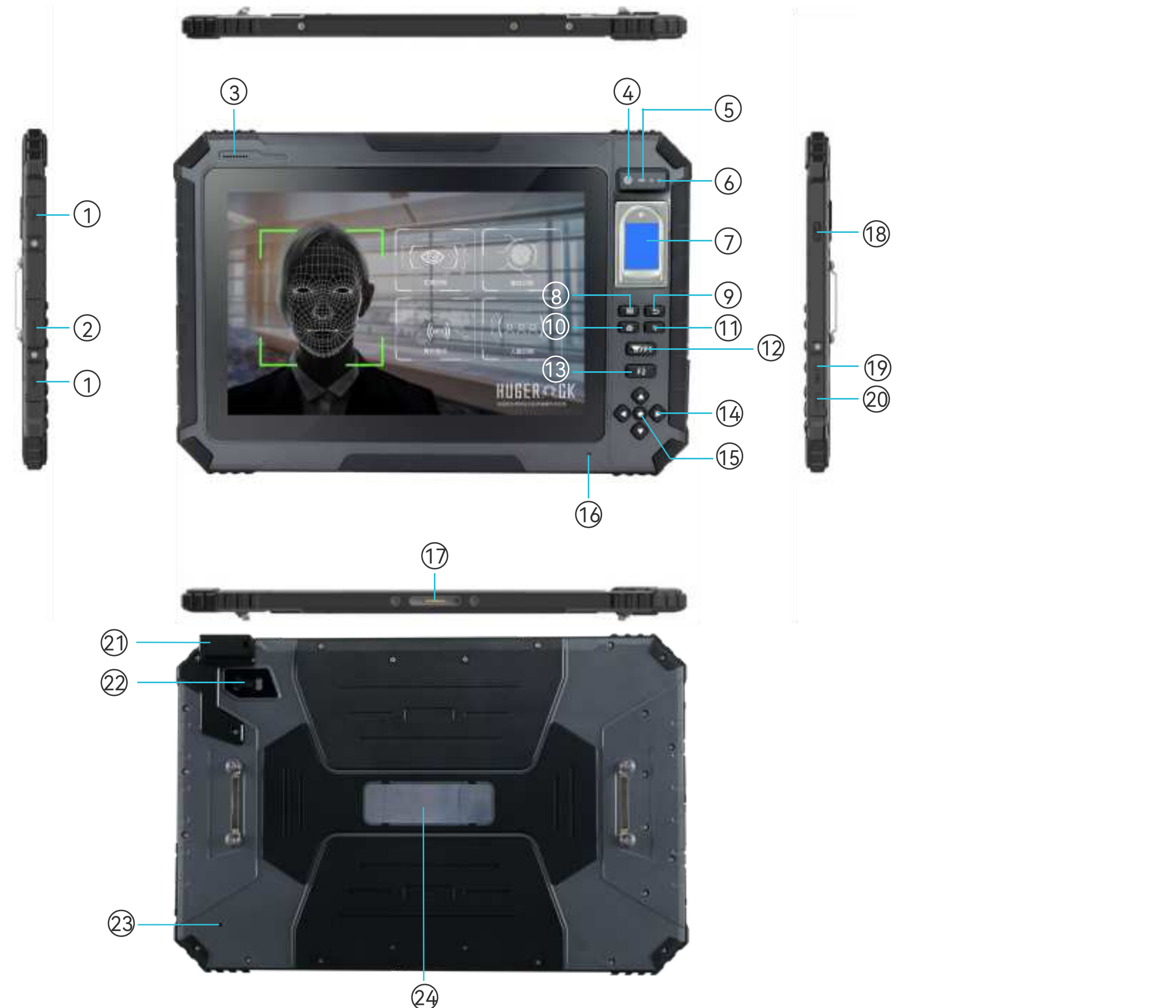
HUGEROCK B101 Rugged Biometrics Data Collection and Verification Tablet PC is from SOTEN TECH. It has 10.1 inch FHD screen with 1000nit, Sunlight readable, based on a MTK Helio P60 Octa-core processor and 4G communication technology, and 14600mAh battery. B101 uses titanium aluminum alloy body frame, multiple shell protection design. Use Android system with GMS certification and support Safeuem EDM system. B101 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. B101 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 HD display**
-   
**14600mAh Polymer battery**
-   
**MIL-810G Drop-proof 1.5m**
-   
**Helio P60 A73 12nm FinFET**
-   
**Google GMS**
-   
**Mobile Device Management by Safeuem**
-   
**FBI Certification**
-   
**ROHS Certification**



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## APPEARANCE



- 1. Type-A(Sealed Cover)
- 2. RS232(Sealed Cover)
- 3. Speaker
- 4. Sub camera
- 5. Ambient light sensor
- 6. Charge lamp
- 7. The fingerprint module
- 8. Menu button
- 9. Back button
- 10. Home button
- 11. Search button
- 12. Scan button
- 13. Defined button
- 14. Direction button
- 15. Confirm button
- 16. MIC
- 17. Magnetic charging interface
- 18. Power button
- 19. TF/SIM card port(Sealed Cover)
- 20. Type-C(Sealed Cover)
- 21. N1 barcode module(Optional)
- 22. Main camera
- 23. Temperature pressure sensor
- 24. Nameplate



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## SPECIFICATION

Model:B101

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: BCO/BC1 CDMA: BCO/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 (B38/39/40/41); FDD LTE (B1/2/3/4/5/7/8/12/17/20/28)
Battery	14600mAh	WI-FI	Dual-band WIFI (2.4GHz/5GHz) single stream 802.11 a/b/g/n/ac
Display	10.1 inch IPS/AFFS 1920*1200 FHD industrial 1000nit Sunlight Readable	Bluetooth	4.2 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	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 5 (IEC 60529)
Charging Port	Type-C & 8PIN magnetic charging	Dustproof	Class 6 (IEC 60529)
Data interface	USB Type-A(Host)*2, Type-C(OTG)*1	Operating temperature	-20°C to 55°C
RS232	RS232 (5pin micro GPIO) *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: 4,500 m (15,000 feet)
Motion sensor	support	Certification/OS/Software	
Rotation Vector	support	Certification	3C/FCC/CE/ROHS/IP65 (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	Package/Warranty terms/OEM	
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	Warranty	24 months
Appearance		OEM/ODM	Support
Size	320*228*12mm (LxWxH)	Package	USB cable/Charger 5V 2A/Introduction manual/Screen protector/Packing box/Aircraft box /Toolkit (optional)/SIM Card Ejector
Weight	1360g		
Color & Material	Gray (Titanium alloy+ABS+PC+TPU)		



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## FUNCTION MODULES

NFC		Verification and collection	
Frequency	13.56MHz		Grayscale: 32768
Protocol standard	ISO14443A/B, ISO15693, NFC	Thin film optical fingerprint sensor	FAP10, 500 dpi, 8 bit, 256X360, FBI MINEX III (NIST Certification)
Label standard	M1(S50, S70), CPU, NFC		RoHS Certification
Read-write distance	2-5cm		
Data Collection			
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	
B101110	•	•		*
B101112	•	•	•	



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