

HUGEROCK B102

RUGGED BIOMETRICS TABLET PC

10.1 Inch FAP10 Fingerprint Data Collection and Verification Platform

HUGEROCK B102 Rugged Biometrics Data Collection and Verification Tablet PC is from SOTEN TECH. It has 10.1 inch FHD screen, based on a MTK Helio P60 Octa-core processor and 4G communication technology, and 14600 mAh battery. B102 uses multiple shell protection design. Use Android system with GMS certification and support Safeuem EDM system. B102 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. B102 equipped with NFC, RS232, Data link with professional equipment.



Rugged
And Reliable



Powerful
Full Function



14600mAh
Polymer Battery



MIL-810G
Drop-proof
1.2m



Helio P60 A73
12nm FinFET



Google
GMS



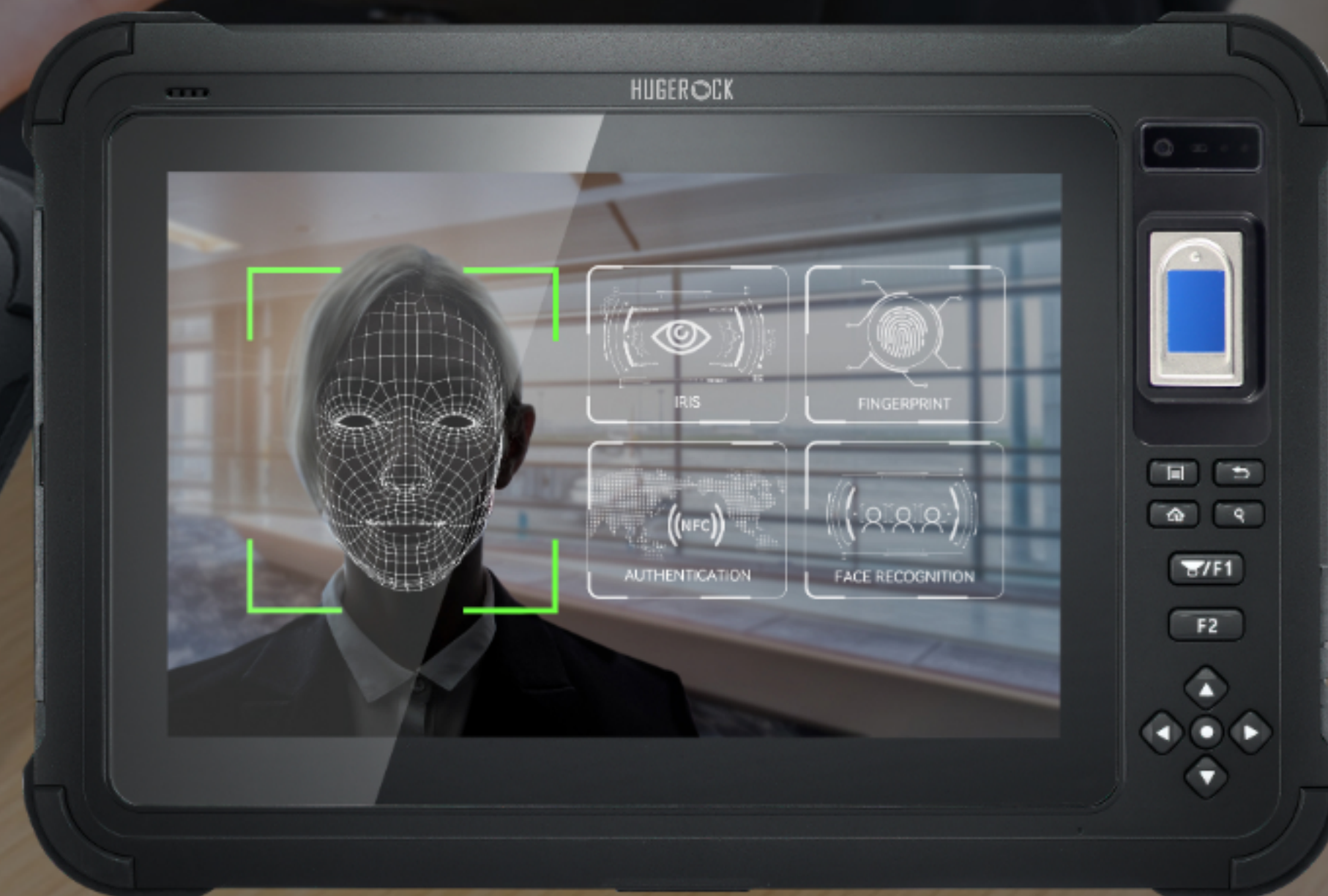
MDM
Mobile Device
Management
by Safeuem



FBI
Certification



RoHS
Certification



HUGEROCK-B102
Tools for Biometrics

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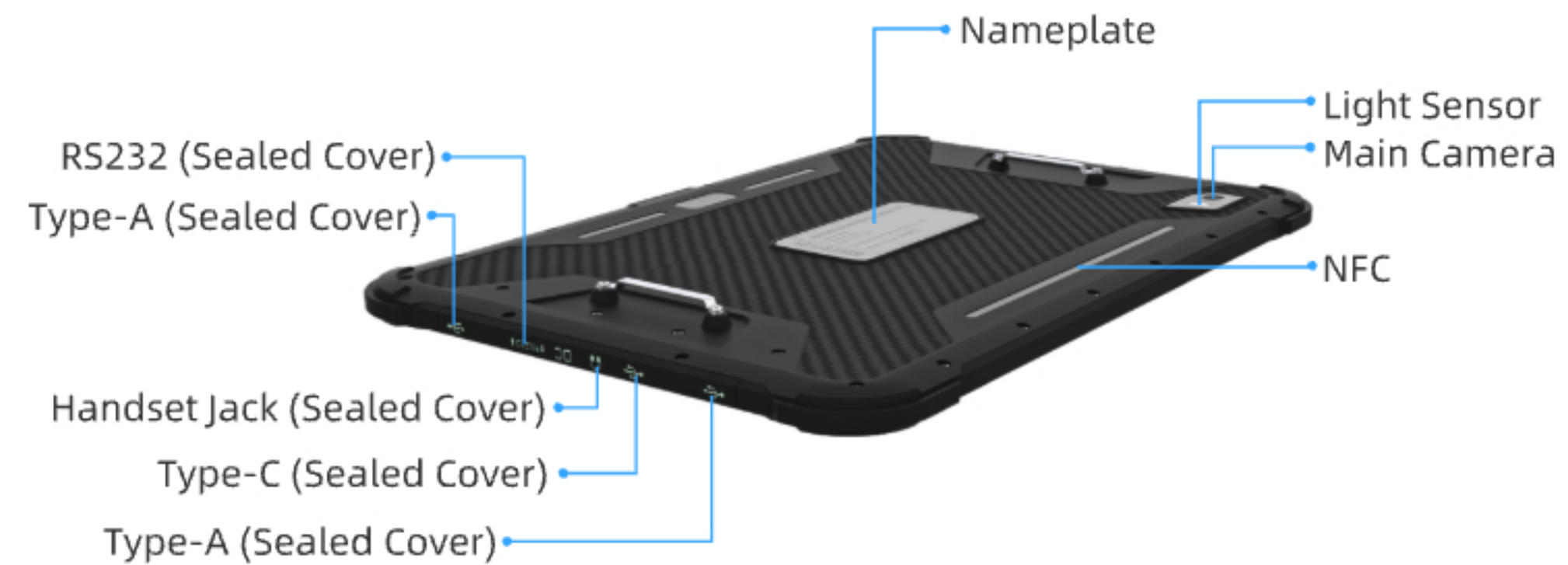
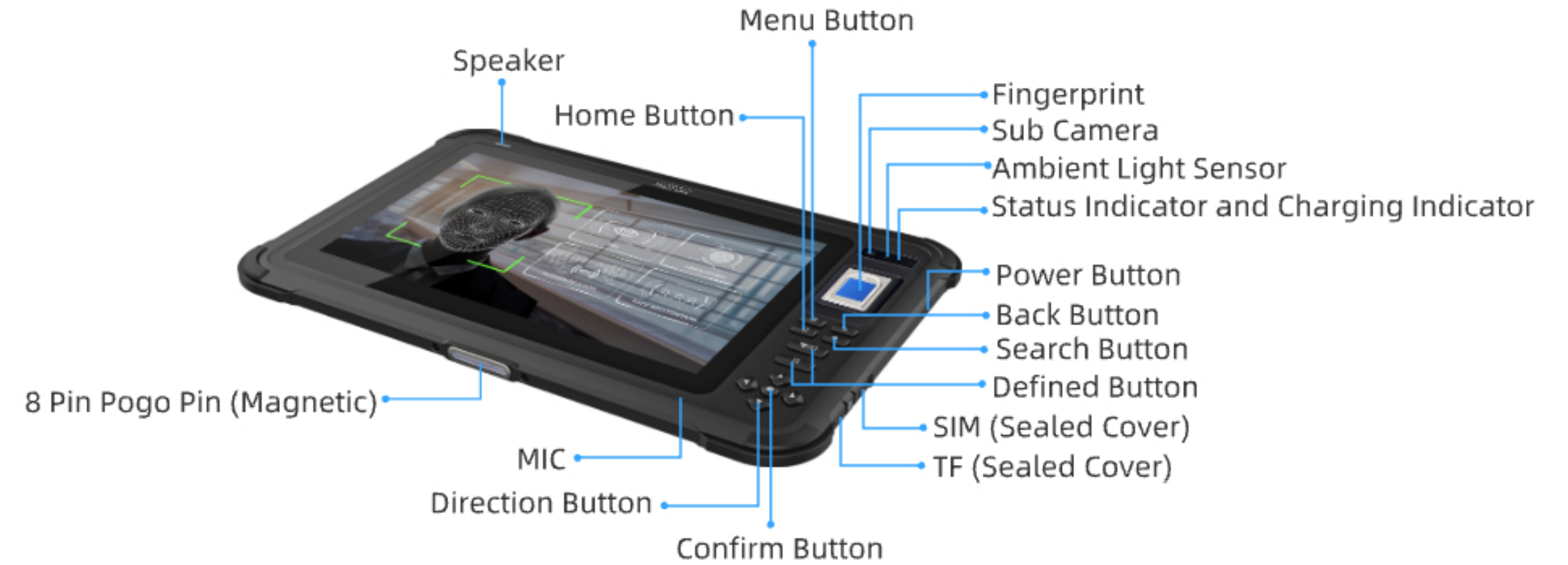
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APPEARANCE



SPECIFICATION

Model : B102

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	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 500nit	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	1.8/3.3V SIM card	Dropproof /IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
TF Card	Micro SD card (T-FLASH card), Max 2TB	Waterproof	Class 5 (IEC 60529)
Headphone	3.5mm (CTIA)	Dustproof	Class 6 (IEC 60529)
Data Interface	USB Type-A (Host)*2, Type-C*1	Operating temperature	- 20°C to 55°C
Charging Interface	Type-C & 8pin pogo pin (magnetic) & DC 5V (direct battery charging)	Storage Temperature	-40°C to 80°C
RS232	Uses 5pin micro USB interface, including one GPIO port	Reliability	MTBF>5000h; MTTR<0.5h
Gravity Sensor	support	RH	5% to 95% (95%RH, non-condensing)
Magnetic Field Sensor	support	Operating Altitude	Max: 4,500 m (15,000 feet)
Motion Sensor	support	Certification/OS/Software	
Gyroscope Sensor	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 9/10/11/13 (Continuous Update)
Charger	5.0V 2A-10W	Package/Warranty terms	
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	Warranty	24 Months (12-month Battery Warranty)
Appearance		Package	USB cable/Charger/Introduction manual/Screen protector/Packing box/Magnetic Charging Cable/Precautions Card/ Hand strap
Size	320*217*13mm (L×W×H)		
Weight	975g		
Color & Material	Black (ABS+PC+TPU)		

FUNCTION MODULES

NFC Module

Protocol standard	ISO14443A/B, ISO15693, NFC
Label standard	M1 (S50, S70), CPU, NFC
Read-write distance	2-5cm

Fingerprint Module

G2010 Fingerprint Module	Grayscale: 32768
	FAP10, 508 dpi, 8 bit, 256X360
	FBI MINEX III (NIST Certification)
	RoHS Certification
	9H Sapphire Scratch Resistant Layer

PRODUCT CONFIGURATION

Order Number	Module			
	Fingerprint Module	NFC Module	Recommend	
				
	G2010	NFC		
05121064	●	●	*	