

HUGEROCK S70

RUGGED TABLET PC

7 Inch rugged Multi-function Mobile Computer

Hugerock S70 mobile IOS terminal, tough appearance, is with 7" industrial-grade, 1000cd/m² full-view display, toughened glass TP, and also aero-grade titanium alloy material frame. It meets MIL-STD-810G/Method516.6/ProcedureI Vand military standard. And it can withstand up to a 1.5m drop and 2 ton shock pressure test. While, it also comes with a suite of integrated features, which is high-integration, high-performance, high-reliability, high-flexibility. Also it goes with a long-life 10000mAh battery, sunlight-readable, and operating under extreme low temperature.

All-mode
Full Bands

10000mAh
Safety Battery

1.5m
Drop-proof

5MP/13MP
Camera

GNSS
GPS+Beidou+Glonass
+AGPS+SBAS

RFID
LF/HF/UHF

Barcode
1D/2D QR

Fingerprint
MINEXIII ISO 19794-2

SOTEN TECHNOLOGY GROUP

HUGEROCK-S70
tools for industrial

Shenzhen SOTEN Technology Co., LTD
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APPEARANCE



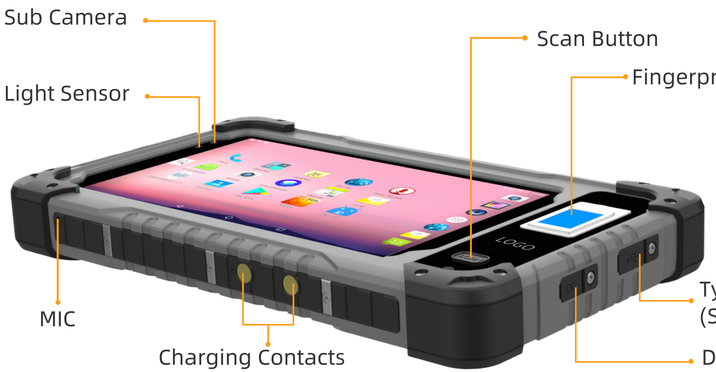


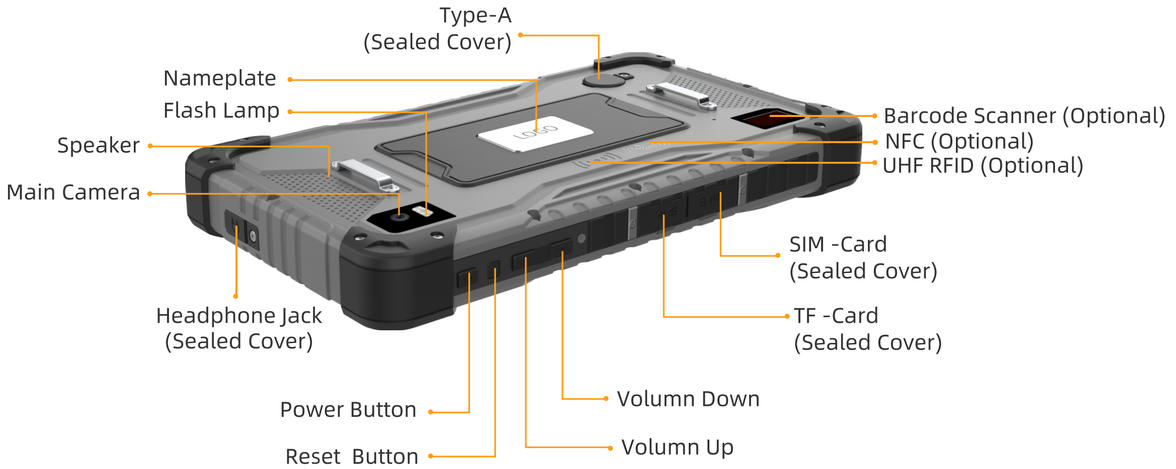
Yellow



Green

Gray





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SPECIFICATION

Model: S70

Hardware	
CPU	ARM Cortex A73 octa-core (2.0GHz)
GPU	ARM Mali-G72 MP3
RAM	8GB
Internal Memory	128GB
External Memory	Micro SD card (T-FLASH card), Max 1TB
Main Camera	13.0MP (AF) with flash led
Sub Camera	5.0MP
Battery	10000mAh
Display	7 inch IPS/AFFS 1280*720 HD industrial 1000nit Sunlight Readable
Touch Panel	Capacitive/frosted tempered film supports glove touch/spray/active capacitive pen
IO/Sensor/Navigation	
SIM Card	1.8/3.3V SIM card
TF Card	Micro SD card (T-FLASH card), Max 1TB
Headphone	3.5mm (CTIA)
Charging Interface	Type-C & Pogo Pin & DC 5V（Direct Battery Charging）
Data Interface	USB Type-A (Host)*1, Type-C*1
Gravity Sensor	support
Magnetic Field Sensor	support
Motion Sensor	support
Gyroscope Sensor	support
Light-Sensor	support
Acceleration Sensor	support
Charger	5.0V 2A-10W
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)
Appearance	
Size	237*137*29mm (L×W×H)
Weight	780g
Color & Material	Black&yellow; Black&green; Black&Gray（PC+ABS+TPU）

Communications & Networking	
Phone Call	GSM/WCDMA/VoLTE
2G	GSM/EDGE/GPRS/WAP
2G Band	GSM (B2/3/5/8)
3G	WCDMA 3.75G (HSDPA+42.2Mbps, HSUPA+11.5Mbps)
3G Band	WCDMA (B1/2/5/8)
4G	FDD: 150Mbps down, 50Mbps UP TDD: 150Mbps, 50Mbps up
4G Band	TD-LTE (B38/39/40/41); FDD LTE (B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28)
WI-FI	Dual-band WIFI (2.4GHz/5Ghz) single stream 802.11 a/b/g/n/ac
BT	5.0 Low Energy(LE)
Industrial & Reliability Design	
Shake-proof	1-19Hz/1.0mm ; 19-200Hz/1.0g
Dropproof /IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
Waterproof	Class 6 (IEC 60529)
Dustproof	Class 6 (IEC 60529)
Operating temperature	-20℃ to 55℃
Storage Temperature	-40℃ to 80℃
Reliability	MTBF>5000h; MTTR<0.5h
RH	5% to 95% (95%RH, non-condensing)
Operating Altitude	Max: 4,500 m (15,000 feet)
Certification/OS/Software	
Certification	3C/FCC/CE/ROHS/IP66 (IEC 60529)
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
OS	Android 9/10/11/13 (Continuous Updates)
Package/Warranty terms/OEM	
Warranty	24 months (12-mouth Battery Warranty)
OEM/ODM	Support
Package	USB Cable/ Charger/ Introduction Manual/ Screen protector/ Packing box（Can be Customized Logo）/ DC charging cable/ Precautions Card/ Hand strap/ Toolkit（Option）

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OPTIONAL MODULES & ACCESSORIES

Barcode Reader
Optional 1D/2D



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.



2D Barcode Module Honywell N3680

2D: PDF417, MicroPDF417, Data Matrix, Maxicode, QR Code, MicroQR, Aztec, Hanxin, etc.

1D: UPC, EAN, Code 128, Code 39, Code 93, Code 11, Matrix 2 of 5, Codabar Interleaved 2 of 5, Mis Plessey, GSI DataBar, China Postal, Korean Postal, etc. 640 pixels (H) x 480 pixels (V) High Resolution;6.88 mil(PDF417): 0mm-50mm;)

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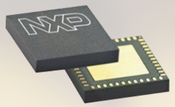
OPTIONAL MODULES & ACCESSORIES

RFID

RFID Reader
Optional LF HF UHF



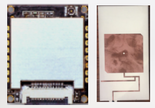
125K LF RFID Module
Support: ID Card(8HEX-10D)EM4100, 4001, TK4100, EM4305
Read distance 2-5cm (Optional HID card support)



13.56M HF RFID or NFC Module
13.56M HF Support ISO14443A/B/ISO15693 Readable/Data Transmission/Card Emulation/Encryption Authenticated
Read Distance: 2-5cm



134.2K LF RFID Module
Operation Frequency: 134.2kHz
Support Agreement: ISO11784/5
Read Distance: 2-5cm
Working Mode: FDX-B (Full-duplex Communication)



UHF RFID Module/Antenna
Air Interface Protocol: EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
operating Spectrum Range: 902Mhz - 928Mhz, 865MHz - 868MHz(Option)
Output Range: 0-26 dBm
Output Accuracy: +/- 1dB
Output Power Level: +/- 0.2dB
Tag recognition is sensitive and stable.
Read Distance : 2-3m(2dB Antenna Test Card E41)

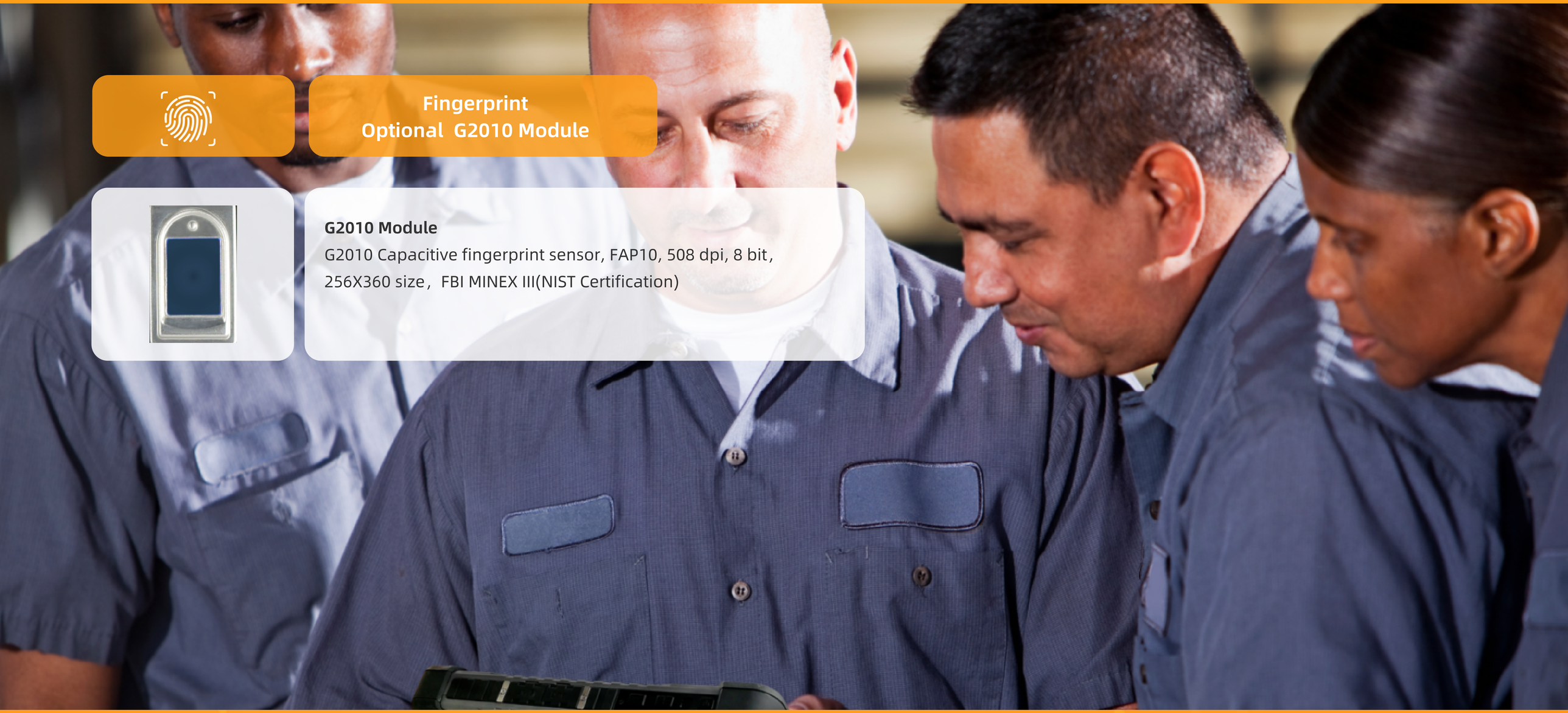
**The RFID module only supports one of the optional

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OPTIONAL MODULES & ACCESSORIES



Fingerprint
Optional G2010 Module

G2010 Module

G2010 Capacitive fingerprint sensor, FAP10, 508 dpi, 8 bit,
256X360 size, FBI MINEX III(NIST Certification)

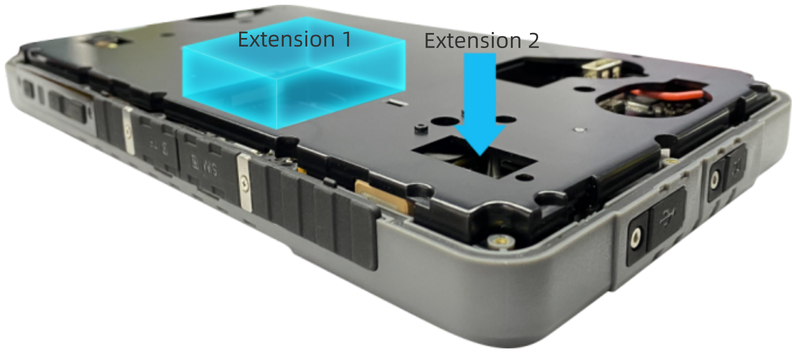
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OPTIONAL MODULES





Extension 1	NFC module	
	UHF RFID module	(M500 ASTM) + Antenna (M500 EN) + Antenna
	LF RFID module	125K LF ID card (8H-10D) 125K LF ID card (10D) 125K LF HID card module 134.2K LF animal tag module
	HF RFID module	13.56M HF module (single protocol) 13.56M HF module (multi-protocol)
	Other customer supply modules	Need to meet the interface conditions： Powered by 3.3V-1.5A/5V-1.5A, UART Interface, interface level3.3V/5V, GPIO 1/electrical level 3.3V/5V.
Extension 2	1D/2D Barcode Module	
Extension 3	Fingerprint	G2010 Module

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