



HUGEROCK R30A

RUGGED DATA COLLECTOR HANDHELD

The 10m range UHF RFID Readers

R30A Long range UHF RFID Data Collector Handheld is from SOTEN TECH. The product has 3.1 inch FHD screen with 450nit, Sunlight readable, based on a MTK Helio P60 Octa-core processor and 4G communication technology, 7200mAh battery, the battery can be replaced continuously, Use Android system with GMS certification and support Safeuem MDM system. The product uses high-quality UHF RFID modules and antenna, Reading distance 10m. Standard configuration Barcode, NFC. The products can be applied to many application scenarios including Outdoor work, patrol inspection, warehouse inventory, logistics and express delivery, manufacturing, new retail of stores, asset management and so on, which can help enterprises improve their management level.



Google
GMS



Mobile Device
Management
By Safeuem



Helio P60
Processor



RFID Tags within a
10m range can be read



7200mAh
Replaceable Battery



Robust
and reliable



HUGEROCK-R30A
Tools for M-IOT

Shenzhen SOTEN Technology Co., LTD

ADD: 10th Floor, Block 2, Baiwang Research And Development Building, Xili Street, Shenzhen, Guangdong, China 518000

Phone: +86(0755)-61885156 61827963

Fax: +86(0755)-61827963

Web: www.soten.com.cn

FAE: fae@soten.com.cn

Skype: [sales.soten](https://www.skype.com/en/contacts/sales/soten)

APPEARANCE



SPECIFICATION

Model: R30A

Hardware		Communications & Networking	
CPU	ARM A73 2.0GHz Octa-core	Phone Call	GSM /WCDMA/VoLTE
GPU	Arm Mali-G72 MP3	2G	GSM/EDGE/GPRS/WAP
RAM	6GB	2G Band	GSM (B2/3/5/8)
Internal Memory	64GB	3G	WCDMA 3.75G (HSDPA+42.2Mbps, HSUPA+11.5Mbps)
External Memory	Micro SD card (T-FLASH card), max 1TB	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	TD-LTE (B38/39/40/41); FDD LTE (B1,B2,B3,B4,B5,B7,B8,B12,B17,B20,B28)
Battery	7200mAh (Replaceable Battery)	WI-FI	Dual-band WIFI(2.4GHz/5Ghz)single stream 802.11 a/b/g/n/ac
Display	3.1inch HD display 720*720	Bluetooth	5.0 Low Energy (LE)
Touch Panel	Capacitive	Industrial & Reliability Design	
IO/Sensor/Navigation		Shake-proof	1-19Hz/1.0mm; 19-200Hz/1.0g
SIM Card	Micro SIM	Dropproof /IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
TF Card	Micro SD card (T-FLASH card), max 1TB	Waterproof	Class 5 (IEC 60529)
Data interface	8Pin magnetic charging with USB 2.0	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%
Light-sensor	support	Operating Altitude	Max: 4,500m (15,000 feet)
Acceleration Sensor	support	Certification/OS/Software	
Charger	5.0V 2A-10W	Certification	3C/FCC/CE/ROHS/IP65 (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 13 (Continuous updates)
Size	267*100*38mm (LxWxH)	Package/Warranty terms	
Weight	488g	Warranty	24 months
Color & Material	gray (Metal & ABS)	Package	Charger/Introduction Manual/Screen protector/Packing box/Magnetic Charging Cable/Precautions Card



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FUNCTION MODULES

NFC		Data Collection	
Protocol standard	ISO14443A/B, ISO15693, NFC	Scanning engine	E20 Barcode module
Label standard	M1(S50, S70), CPU, NFC	2D	QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417, Aztec, Maxicode, Hanxin code, Dotcode, Composite.
Read-write distance	2-5cm		
UHF RFID		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.
Air interface protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C		
Operating spectrum range	902Mhz - 928Mhz / 865MHz - 868MHz(Optional)		
Output range	0-33dbm		
Output accuracy	+/- 1dB		
Output power level	+/- 0.2dB, The label is sensitive and stable.		
Reading distance	>10m(E41 tag)		

PRODUCT CONFIGURATION

Order number	Module					
	Barcode module	RFID module		recommend		
						
	E20	UHF RFID E710	NFC			
05121039	●	●	●	*		



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