



HUGEROCK R30A Version:2021

RUGGED DATA COLLECTOR HANDHELD

The 80ft 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 550nit, Sunlight readable, based on a MTK Helio P60 Octa-core processor and 4G communication technology, 7200 mAh 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 15 meters. can be equipped with 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 15-meter range can be read
- 7200 mAh Replaceable battery
- Robust and reliable



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APPEARANCE



- 1: Barcode scanner(optional)
- 2: Front camera (optional)
- 3: Mic
- 4: Menu button
- 5: Arrow button and confirm button
- 6: Charge lamp
- 7: Power button
- 8: Back button
- 9: Home button
- 10: Scan button
- 11: Magnetic interface(Pogo pin)
- 12: UHF RFID scanner
- 13: Main camera(optional)
- 14: Flash lamp
- 15: Speaker
- 16: Battery



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SPECIFICATION

Model:R30A

Hardware		Communications & Networking	
CPU	MTK P60 (ARM A73 2.0GHz Octa-core)	Phone Call	GSM /WCDMA/CDMA 1X/VoLTE
GPU	Arm Mali-G72 MP3	2G	GSM/CDMA 1X/EDGE/GPRS/WAP
RAM	4GB	2G Band	GSM (B2/3/5/8)
Internal Memory	32GB	3G	WCDMA 3.75G (HSDPA+ 42.2Mbps, HSUPA+ 11.5Mbps), EVDO
External Memory	Micro SD card (T-FLASH card), max 128GB	3G Band	WCDMA (B1/2/5/8), Evdo: BC0/BC1 CDMA: BC0/BC1
Main Camera	13.0MP(AF) with flash led	4G	FDD: 150Mbps down, 50Mbps UP TDD: 150Mbps downlink, 50Mbps uplink
Sub Camera	1.0MP	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 (2.4GHz/5Ghz) single stream 802.11 a/b/g/n/ac
Display	3.1inch HD display 720*720	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	Micro SIM	Dropproof /IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
TF Card	Micro SD card (T-FLASH card); max 128GB	Waterproof	Class 5 (IEC 60529)
Data interface	Magnetic interface (Pogo pin) USB&data	Dustproof	Class 6 (IEC 60529)
RFID module	RFID R2000	Operating temperature	-20°C to 55°C
Gravity sensor	support	Storage Temperature	-40°C to 80°C
Motion sensor	support	Reliability	MTBF>5000h; MTTR<0.5h
Direction Sensor	support	RH	5% to 95%
Magnetic Field Sensor	support	Operating Altitude	Max: 4,500m (15,000 feet)
Gyro sensor	support	Certification/OS/Software	
Rotation Vector	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
Light-sensor	support	OS	Android 10.0
Acceleration sensor	support	Package/Warranty terms/OEM	
Charger	5.0V 2A-10W	Warranty	24 months
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	OEM/ODM	Support
Appearance		Package	USB cable/Charger 5V 2A/Introduction manual/Screen protector/Packing box/ Aircraft box
Size	267*100*38 (L*W*H)		
Weight	447g		
Color & Material	Black + grey(Metal &ABS)		



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FUNCTION MODULES

HF RFID/NFC		Data Collection	
Frequency	13.56MHz	Scanning engine	Newland N1
Protocol standard	ISO14443A/B, ISO15693, NFC	1D	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, ETC
Label standard	M1(S50, S70), CPU, NFC	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.
Read-write distance	2-5cm		
UHF RFID			
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	>=15m(E41 tag)		

PRODUCT CONFIGURATION

Order number	Module recommend		
	Barcode module	RFID module	
R30A100	●	●	●
R30A101	●	●	●
R30A120	●	●	●
R30A121	●	●	●



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