



HUGEROCK R36A

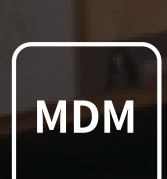
INDUSTRIAL DATA COLLECTOR HANDHELD

1D/2D barcode scanning, RFID, NFC

R36A Industrial Data Collector Handheld is from SOTEN TECH. R36A has a large 5.5-inch screen, based on a Qualcomm Octa-core processor and 4G communication technology, and 6000 mAh high-capacity replaceable battery. R36A Use Android system with GMS certification and support Safeum EDM system, with an high-quality barcode modules, and can be equipped with RFID, NFC, PDAM security modules. R36A can be applied to many application scenarios like 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 Safeum



Qualcomm 8-core processor



UHF RFID



1D/2D Fast and accurate



All-mode full Bands



6000mAh Safety Battery



16M Camera



HUGEROCK R36A
Tools for M-IOT

Shenzhen SOTEN Technology Co., LTD
ADD: 10F, B#2, Pivovan Research Building, No. 5158 Shahe West Road, Nanshan, Shenzhen, China 518055
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APPEARANCE



- 1: Power button
- 2: PTT button
- 3: Side scan button
- 4: Scanning head
- 5: Indicator light
- 6: Front camera(optional)
- 7: Receiver
- 8: Proximity sensor
- 9: Main mic hole
- 10: Nameplate
- 11: Speaker hole
- 12: TYPE-C interface
- 13: Charging base contact
- 14: Volume +
- 15: Volume -
- 16: Side scan button
- 17: mic
- 18: Flash lamp
- 19: Rear camera
- 20: Card reading area
- 21: Battery cover sliging buckle
- 22: Battery



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SPECIFICATION

Model: R36A

Hardware	<p>CPU: Octa-core Qualcomm SDM450 1.8GHz</p> <p>GPU: Adreno 506</p> <p>RAM: 2GB (4GB optional)</p> <p>Internal Memory: 16GB (64GB optional)</p> <p>External Memory: Micro SD card (T-FLASH card), max 128GB</p> <p>Main Camera: Rear 16 MP, autofocus camera with flash</p> <p>Battery: 3.8V, 6000mAh(removable)</p> <p>Display: 5.5 inch IPS HD screen 450nit, respectively rate (720 * 1440)</p>	Communications & Networking	<p>Phone Call: GSM /WCDMA/CDMA 1X/VoLTE</p> <p>EUR&AP VER (Standard): GSM: B2/B3/B8 WCDMA: B1/B5/B8 TD-SCDMA (B34/B39),CDMA:BC0, EVDO(BC0) TDD-LTE: (B38/39/40/41) FDD-LTE: (B1/3/5/7/8/20)</p> <p>NA&SA VER (Options): TDD-LTE: B3/4/5/4/7/12/13/17/28b WCDMA: B2/4/5</p> <p>JPN VER (Options): TDD-LTE: B1/3/8/9/19/26/28 WCDMA: B1/8/9/19</p> <p>WI-FI: Dual-band WIFI (2.4GHz/5GHz) single stream 802.11 a/b/g/n/ac</p> <p>Bluetooth: 4.0 BLE</p>
Touch Panel	Corning's third-generation Gorilla Glass, capacitive screen, multi-touch, support wet hands, glove operation Use anti-oil stain and anti-fingerprint coating	Industrial & Reliability Design	<p>Shake-proof: 1-19Hz/1.0mm; 19-200Hz/1.0g</p> <p>Dropproof /IK: MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05</p> <p>Waterproof: Class 5 (IEC 60529)</p> <p>Dustproof: Class 6 (IEC 60529)</p>
IO/Sensor/Navigation	<p>Expansion Slots: Nano-SIM card*2, TF card*1, PSAM*4</p> <p>TF Card: Expansibile through TF, support 128GB</p> <p>keyboard: Side buttons: Power button, SCAN button*2, Volume button, PTT button; Screen virtual button: Back, Menu, HOME</p> <p>Data interface: USB 2.0 Type-C , support OTG</p> <p>Motion sensor: Support</p> <p>Direction Sensor: Optional</p> <p>Magnetic Field Sensor: Optional</p> <p>Gyro sensor: Optional</p> <p>Rotation Vector: Optional</p> <p>Light-sensor: Optional</p> <p>Charger: 5.0V 2A-10W</p> <p>Navigation: GPS + GLONASS + Beidou + AGPS</p>	Drop specification	Within the operating temperature range, all 6 sides can withstand the impact of multiple drops to the concrete floor from a height of 1.2 meters
Appearance	<p>Size: 170*79*22.6mm (L×W×H)</p> <p>Weight: 370g</p> <p>Color & Material: Black</p>	Rolling test	Continuously rolling 1,000 times at 1.6 feet/0.5 meters, the 6 contact surfaces still run stably after rolling, reaching IEC rolling specifications
		Static Protection	±8KV air discharge, ±4KV contact discharge
		Operating temperature	-10°C to 50°C
		Storage Temperature	-40°C to 70°C
		Reliability	MTBF>5000h; MTTR<0.5h
		RH	5% to 95% (No condensation)
		Operating Altitude	Max: 4,500m (15,000 feet)
		Certification/OS/Software	
		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 9.0
		SDK	Software Development Kit
		Development language	Java
		Development tools	Eclipse/Android Studio
		Package/Warranty terms/OEM	
		Warranty	12 months
		OEM/ODM	Support
		Package	Power adapter, USB data line, Screen protector, Manual, hand strap



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FUNCTION MODULES

Sub Camera	8.0MP	UHF RFID data collection	
LF RFID data collection		Frequency	FCC (United States) 902-928MHz; ETSI (Europe) 865-867MHz; SRRC-MII (China) 840-845MHz, 920-925MHz
125K LF ID Module	LF RFID, 125K	Protocol	EPC Class 1 Gen 2 (ISO 18000-6C)
134k LF RFID Module	LF RFID, 134k Animal module	Reading distance	>= 1 meters, using 2dBi ceramic antenna, depending on the size of the electronic tag
HF RFID/NFC		Label reading rate	>= 50tags/s
Frequency	13.56MHz	Data Collection	
Protocol standard	ISO14443A/B,ISO15693, NFC	Scanning engine	Newland N1, Minde M5600, Honeywell 6603/3603
Label standard	M1(S50, S70), CPU, NFC	1D	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, ETC
Read-write distance	2-5cm	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										Network frequency	recommend
	Barcode module				RFID module				other			
	N1	M5600	N3603	N6603	125K LF	134k LF	NFC	915M UHF	PSAM	Sub Camera	EUR&AP VER (Standard) (MOQ500)	NA&SA VER (Options) (MOQ500)
R36A04								●				
R36A10	●											
R36A14	●											
R36A30			●									
R36A34			●					●				
R36A20		●										
R36A24		●						●				
R36A40				●								
R36A44				●				●				
R36A00												
R36A00C										●		
R36A00S									●			
R36A00CS									●	●		
R36A00U											●	
R36A00J												●



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