

# HUGEROCK R36

## INDUSTRIAL DATA COLLECTOR HANDHELD

1D/2D fast stripe scan code

R36 Industrial Data Collector Handheld is from SOTEN TECH. R36 has a large 5.5-inch screen, based on a Qualcomm Octa-core processor and 4G communication technology, and 4600 mAh high-capacity replaceable battery. R36 Use Android system with GMS certification and support Safeuem EDM system, with a high-quality barcode modules, and can be equipped with RFID, NFC, PDAM security modules. R36 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.



**HUGER** **GK-R36**  
Tools for M-IOT

Shenzhen SOTEN Technology Co., LTD  
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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 slinging buckle
- 22: Battery



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## SPECIFICATION

Model: R36

Hardware	Communications & Networking
<b>CPU</b> Octa-core Qualcomm SDM450 1.8GHz	<b>Phone Call</b> GSM/GPRS /TD-SCDMA/WCDMA
<b>GPU</b> Adreno 506	GSM: B2/B3/B8
<b>RAM</b> 2GB (4GB optional)	<b>EUR&amp;AP VER (Standard)</b> 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)
<b>Internal Memory</b> 16GB (64GB optional)	<b>NA&amp;SA VER (Options)</b> TDD-LTE: B3/4/5/4/7/12/13/17/28b, WCDMA: B2/4/5
<b>External Memory</b> Micro SD card ( T-FLASH card), max 128GB	<b>JPN VER (Options)</b> TDD-LTE: B1/3/8/9/19/26/28, WCDMA: B1/8/9/19
<b>Main Camera</b> Rear 16 MP, autofocus camera with flash	<b>WI-FI</b> Dual-band WIFI (2.4GHz/5GHz) single stream 802.11 a/b/g/n/ac
<b>Battery</b> 3.8V, 4600mAh(removable)	<b>Bluetooth</b> 4.0 BLE
<b>Display</b> 5.5 inch IPS HD screen 450nit, respectively rate (720 * 1440)	<b>Industrial &amp; Reliability Design</b>
<b>Touch Panel</b> Corning's third-generation Gorilla Glass, capacitive screen, multi-touch, support wet hands, glove operation Use anti-oil stain and anti-fingerprint coating	<b>Shake-proof</b> 1-19Hz/1.0mm; 19-200Hz/1.0g
<b>IO/Sensor/Navigation</b>	<b>Dropproof /IK</b> MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
<b>Expansion Slots</b> Nano-SIM card*2, TF card*1, PSAM*2	<b>Waterproof</b> Class 5 ( IEC 60529 )
<b>TF Card</b> Expansibile through TF, support 128GB	<b>Dustproof</b> Class 6 ( IEC 60529 )
<b>keyboard</b> Side buttons: Power button, SCAN button*2, Volume button, PTT button Screen virtual button: Back, Menu, HOMEZ	<b>Drop specification</b> 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
<b>Data interface</b> USB 2.0 Type-C, support OTG	<b>Rolling test</b> 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
<b>Motion sensor</b> Support	<b>Static Protection</b> ±8KV air discharge, ±4KV contact discharge
<b>Direction Sensor</b> Optional	<b>Operating temperature</b> 10°C to 50°C
<b>Magnetic Field Sensor</b> Optional	<b>Storage Temperature</b> -40°C to 70°C
<b>Gyro sensor</b> Optional	<b>Reliability</b> MTBF>5000h; MTTR<0.5h
<b>Rotation Vector</b> Optional	<b>RH</b> 5% to 95% (No condensation)
<b>Light-sensor</b> Optional	<b>Operating Altitude</b> Max: 4,500m (15,000 feet)
<b>Charger</b> 5.0V 2A-10W	<b>Certification/OS/Software</b>
<b>Navigation</b> Integrated GPS + GLONASS + Beidou positioning, support AGPS	<b>Language</b> 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
<b>Appearance</b>	<b>OS</b> Android 9.0
<b>Size</b> 170*79*18.6mm(L*W*H)	<b>SDK</b> Software Development Kit
<b>Weight</b> 285g	<b>Development language</b> Java
<b>Color &amp; Material</b> Black	<b>Development tools</b> Eclipse/Android Studio
	<b>Package/Warranty terms/OEM</b>
	<b>Warranty</b> 12 months
	<b>OEM/ODM</b> Support
	<b>Package</b> Power adapter, USB data line, Screen protector, Manual, hand strap



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## FUNCTION MODULES

Sub Camera	Data Collection
8.0MP	<b>Scanning engine</b> Newland N1, Minde M5600, Honeywell 6603/3603
LF RFID data collection	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, ETC
<b>125K LF ID Module</b> LF RFID, 125K	<b>1D</b>
<b>134 LF RFID Module</b> LF RFID, 134k Animal module	
<b>HF RFID/NFC</b>	<b>2D</b>
<b>Frequency</b> 13.56MHz	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.
<b>Protocol standard</b> ISO14443A/B, ISO15693, zNFC	
<b>Label standard</b> M1(S50, S70), CPU, NFC	
<b>Read-write distance</b> 2-5cm	

## PRODUCT CONFIGURATION

Order number	Module								other	Network frequency	recommend	
	Barcode module				RFID module							
	N1	M5600	N3603	N6603	125K LF	134K LF	NFC	915M UHF	PSAM	Sub Camera	EUR&AP VER (Standard) (MOQ500)	NA&SA VER (Options) (MOQ500)
R3610	●											
R3613	●						●					
R3630			●									
R3633			●				●					
R3600												
R3600C										●		
R3600S									●			
R3600CS									●	●		
R3620		●										
R3623		●										
R3640				●								
R3643				●								
R3601					●							
R3602						●						
R3603							●					
R3600U											●	
R3600J												●



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