

HUGEROCK R60 Version:2021

RUGGED DATA COLLECTOR HANDHELD

5.5 inch industrial multi-function mobile handheld RFID, NFC, 1D/2D

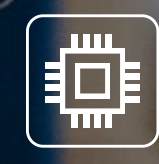
R60 mobile IOS terminal, tough appearance, is with 5.5" industrial-grade, 500 cd/m2 full-view display, toughened glass TP, and also aero-grade titanium alloy material frame. It meets MIL-STD-810G/Method516.6/ProcedureIVand military standard. And it can withstand up to a 1.5m drop and 2 ton shock pressure test. While, it also comes with a suite of integrated features, which is high-integration, high-performance, high-reliability, high-flexibility. Also itgoes with a long-life 7800mAh battery, sunlight-readable, and operating under extreme low temperature.



Google GMS



Mobile Device Managementby Safeum



Helio P60 A73 12nm FinFET



MIL-810G Drop-proof 2m



Physical keys



7800mAh replaceable battery



Rugged and reliable



HUGER CK-R60
Tools for M-IOT

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



1. Power button
2. SOS button
3. Type-C (Sealed Cover)
4. Earphone (Sealed Cover)
5. RS232 (Optional)
6. Barcode module(Optional)
7. SMA (Optional)
8. Hanging hole
9. Front camera
10. Charge lamp
11. Receiver
12. Light sensor
13. Delete button
14. Custom button
15. Home button
16. Confirm button
17. Menu button
18. Fingerprint module (Optional)
19. Back button
20. Arrow button
21. Search button
22. MIC
23. 2pin pogo pin
24. Volume up
25. Volume down
26. Scan button(Definition)
27. SIM (Sealed Cover)
28. Nameplate
29. Main camera
30. Flash light
31. Speaker
32. Fihand strap xing parts



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SPECIFICATION

Model: R60

Hardware		Communications & Networking	
CPU	ARM Cortex A73 Octa-core (2.0GHz)	Phone Call	GSM /WCDMA/CDMA 1X/VoLTE
GPU	ARM Mali-G72 MP3	2G	GSM/CDMA 1X/EDGE/GPRS/WAP
RAM	8G	2G Band	GSM (B2/3/5/8)
Internal Memory	128G	3G	WCDMA 3.75G (HSDPA+ 42.2Mbps, HSUPA+11.5Mbps), EVDO
External Memory	Micro SD card (T-FLASH card), max 256GB	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	5.0MP	4G Band	TD-LTE(B38/39/40/41); FDD LTE (B1/2/3/4/5/7/8/12/17/20/28)
Battery	7800mAh (Replaceable battery)	WI-FI	Dual-band WIFI (2.4GHz/5Ghz) single stream 802.11 a/b/g/n/ac
Display	5.5 inch IPS/AFFS 1080*1920 FHD industrial 500cd/m2 Sunlight Readable	Bluetooth	5.0 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	Nano sim card*2	Dropproof /IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
TF Card	Micro SD card(T-FLASH card); max 256GB	Waterproof	Class 7(IEC 60529)
Headphone	3.5mm (CTIA)	Dustproof	Class 6 (IEC 60529)
Charging interface	Type-C & 2pin pogo pin	Operating temperature	-20°C to 55°C
Data interface	USB Type-C(OTG)*1	Storage Temperature	-40°C to 80°C
RS232(optional)	RS232*1	Reliability	MTBF>5000h; MTTR<0.5h
Gravity sensor	support	RH	5%RH-95%
Direction Sensor	support	Operating Altitude	Max: 4,500m (15,000 feet)
Magnetic Field Sensor	support	Certification/OS/Software	
Gyro sensor	support	Certification	3C/FCC/CE/ROHS/IP67 (IEC 60529)
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 / Android 11
Acceleration sensor	support	Package/Warranty terms	
Motion sensor	support	Warranty	24 months
Charger	5.0V 2A-10W	Package	
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	USB cable/Charger 5V 2A/Introduction manual/Screen protector/Packing box/ Aircraft box/Toolkit(optional)/OTG x 1/SIM Card Ejector x 1	
Appearance			
Size	195*98*22mm (LxWxH)		
Weight	460g		
Color & Material	Black&Gray		



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FUNCTION MODULES

NFC		Data Collection	
Frequency	13.56MHz	Scanning engine	E20 Barcode Module
Protocol standard	ISO14443A/B, ISO15693, NFC	2D	QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417, Aztec, Maxicode, Hanxin code, Dotcode, Composite.
Label standard	M1 (S50, S70), CPU, NFC	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.
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	0-26dbm		
Output accuracy	+/- 1dB		
Output power level	+/- 0.2dB ,The label is sensitive and stable.		
Reading distance	≥1.8m (E41 tag)		

PRODUCT CONFIGURATION

Order number	Module			Recommend				
	Barcode module	RFID module						
	E20 Barcode Module	UHF module (M500+Ceramic antenna)	NFC module					
R6010	●			*				
R6011	●	●		*				
R6012	●		●	*				



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