

HUGEROCK R101 Version:2021

RUGGED DATA COLLECTOR TABLET PC

10.1 Inch Full Rugged, Thin and Lightweight, RFID, NFC, 1D/2D Readers

Hugerock R101 is with 10.1" industrial-grade, 1000 cd/m² full-view display, can clearly display in any strong light environment, 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 1.2m 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. Can integrate NFC, barcode and other industrial data collection modules, Also it goes with a long-life 14600mAh battery, can work continuously for 12 hours.

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1000nit
FHD display
- 
14600mAh
Polymer battery
- 
MIL-810G
Drop-proof 1.2m
- 
Helio P60 A73
12nm FinFET
- 
Google
GMS
- 
Mobile Device
Management
by Safeum
- 
All-mode
full Bands



Shenzhen SOTEN Technology Co., LTD
ADD: 10F, B#2, Plovon Research Building, No. 5158 Shahe West Road, Nanshan, Shenzhen, China 518055
Phone: +86(0755)-61885156 61827963 Fax: +86(0755)-61827963
Web: www.soten.com.cn FAE: fae@soten.com.cn Skype: sales.soten

APPEARANCE



- 1. Type-A(Sealed Cover)
- 2. RS232(Sealed Cover)
- 3. Speaker
- 4. Sub camera
- 5. Ambient light sensor
- 6. Charge lamp
- 7. NFC
- 8. Menu button
- 9. Back button
- 10. Home button
- 11. Search button
- 12. Scan button
- 13. Defined button
- 14. Direction button
- 15. Confirm button
- 16. MIC
- 17. Magnetic charging interface
- 18. Power button
- 19. TF/SIM card port(Sealed Cover)
- 20. Type-C(Sealed Cover)
- 21. E20 Barcode module*
- 22. Main camera
- 23. Temperature pressure sensor(Optional)
- 24. Nameplate

(Those marked with * are R10111 configuration)



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SPECIFICATION

Model: R101

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	14600mAh	WI-FI	Dual-band WIFI (2.4GHz/5Ghz) single stream 802.11 a/b/g/n/ac
Display	10.1 inch IPS/AFFS 1920*1200 FHD industrial 1000nit 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 5 (IEC 60529)
Charging interface	Type-C & 8PIN magnetic charging	Dustproof	Class 6 (IEC 60529)
Data interface	USB Type-A(Host)*2 Type-C(OTG)*1	Operating temperature	-20°C to 55°C
RS232	RS232 (5pin micro GPIO) *1	Storage Temperature	-40°C to 80°C
Gravity sensor	support	Reliability	MTBF>5000h; MTTR<0.5h
Direction Sensor	support	RH	5%RH-95%
Magnetic Field Sensor	support	Operating Altitude	Max: 4,500m (15,000 feet)
Gyro sensor	support	Certification/OS/Software	
Rotation Vector	support	Certification	3C/FCC/CE/ROHS/IP65 (IEC 60529)
Light-sensor	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.
Acceleration sensor	support	OS	Android 10 / Android 11
Motion sensor	support	Package/Warranty terms	
Charger	5.0V 2A-10W	Warranty	24 months
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	Package	USB cable/Charger 5V 2A/Introduction manual/Screen protector/Packing box/ Aircraft box/Toolkit (optional)/SIM Card Ejector
Appearance			
Size	320*228*12mm (L*W*H)		
Weight	1360g		
Color & Material	Gray (Titanium alloy+ABS+PC+TPU)		




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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		

PRODUCT CONFIGURATION

Order number	Module		
	Barcode module	RFID module	recommend
			
	E20	NFC module	
R10101	●	●	*
R10111	●	●	*
R10110	●		



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