

# HUGEROCK R70 Version: 2021

## RUGGED DATA COLLECTOR TABLET PC

7 Inch Rugged RFID/NFC/1D, 2D Readers

R70 Rugged industrial-grade data collection tablet PC is from SOTEN TECH. The product has 7-inch HD screen with 1000nit, Sunlight readable, based on a MTK Helio P60 Octa-core processor and 4G communication technology, and 10000mAh battery. Use Android system with GMS certification and support Safeuem EDM system. The product uses high-quality barcode modules, and can be equipped with RFID, NFC modules. 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 A73 12nm FinFET
-   
MIL-810G Drop-proof 1.5m
-   
All-mode full Bands
-   
10000mAh Polymer battery
-   
Rugged and reliable



**HUGER** MIOT **CK-R70**  
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  
Phone: +86(0755)-61885156 61827963 Fax: +86(0755)-61827963  
Web: www.soten.com.cn FAE: fae@soten.com.cn Skype: sales.soten

## SPECIFICATION



- 1. Power button
- 2. Reset button
- 3. Volume up and down
- 4. TP-card (Sealed Cover)
- 5. SIM-card (Sealed Cover)
- 6. Handset Jack (Sealed Cover)
- 7. Sub camera
- 8. Light sensor
- 9. NFC(Optional)
- 10. Scan button
- 11. Type-C (Sealed Cover)
- 12. DC-Type (Sealed Cover)
- 13. Main camera
- 14. Type-A (Sealed Cover)
- 15. MIC
- 16. Pogo in
- 17. UHF RFID (optional)
- 18. Barcode Scanner (optional)
- 19. Speaker
- 20. Nameplate



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## SPECIFICATION

Model: R70

Hardware	
CPU	ARM Cortex A73 Octa-core (2.0GHz)
GPU	Arm Mali-G72 MP3
RAM	8G
Internal Memory	128G
External Memory	Micro SD card (T-FLASH card), max 256GB
Main Camera	13.0MP(AF) with flash led
Sub Camera	5.0MP
Battery	10000mAh
Display	7 inch IPS/AFFS 1280*720 HD industrial 1000nit Sunlight Readable
Touch Panel	Capacitive/frosted tempered film supports glove touch/spray/active capacitive pen
IO/Sensor/Navigation	
SIM Card	1.8/3.3V SIM card
TF Card	Micro SD card (T-FLASH card); max 256GB
Headphone	3.5mm (CTIA)
Charging interface	Type-C & 2pin pogo pin & DC 5V (direct battery charging)
Data interface	USB Type-A(Host)*1, Type-C*1
Gravity sensor	support
Direction Sensor	support
Magnetic Field Sensor	support
Gyro sensor	support
Rotation Vector	support
Light-sensor	support
Acceleration sensor	support
Motion sensor	support
Charger	5.0V 2A-10W
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)
Appearance	
Size	237*137*29mm (L*W*H)
Weight	780g
Color & Material	Black&Gray

Communications & Networking	
Phone Call	GSM /WCDMA/CDMA 1X/VoLTE
2G	GSM/CDMA 1X/EDGE/GPRS/WAP
2G Band	GSM (B2/3/5/8)
3G	WCDMA 3.75G (HSDPA+ 42.2Mbps, HSUPA+ 11.5Mbps), EVDO
3G Band	WCDMA (B1/2/5/8), Evdo: BC0/BC1 CDMA: BC0/BC1
4G	FDD: 150Mbps down, 50Mbps UP TDD: 150Mbps downlink, 50Mbps uplink
4G Band	TD-LTE (B38/39/40/41); FDD LTE (B1/2/3/4/5/7/8/12/17/20/28)
WI-FI	Dual-band WIFI (2.4GHz/5GHz) single stream 802.11 a/b/g/n/ac
Bluetooth	5.0 Low Energy (LE)
Industrial & Reliability Design	
Shake-proof	1-19Hz/1.0mm; 19-200Hz/1.0g
Dropproof /IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
Waterproof	Class 5 (IEC 60529)
Dustproof	Class 6 (IEC 60529)
Operating temperature	-20°C to 55°C
Storage Temperature	-40°C to 80°C
Reliability	MTBF>5000h; MTTR<0.5h
RH	5%RH-95%
Operating Altitude	Max: 4,500m (15,000 feet)
Certification/OS/Software	
Certification	3C/FCC/CE/ROHS/IP65 (IEC 60529)
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 10 / Android 11
Package/Warranty terms	
Warranty	24 months
Package	USB cable/Charger 5V 2A/Introduction manual/Screen protector/Packing box/Aircraft box /Toolkit (optional)



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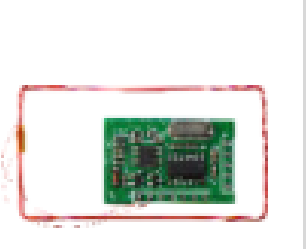



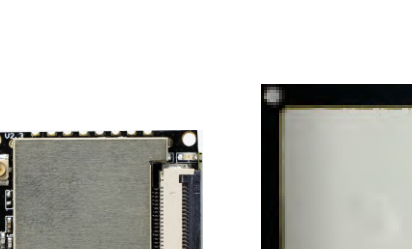
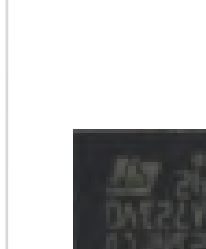
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## FUNCTION MODULES

LF RFID data collection	
125K LF ID Module	LF RFID, 125K
134 LF RFID Module	LF RFID, 134k Animal module
HF RFID/NFC	
Frequency	13.56MHz
Protocol standard	ISO14443A/B, ISO15693, NFC
Label standard	M1(S50, S70), CPU, NFC
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)

Data Collection	
Scanning engine	E20 Barcode Module
2D	QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417, Aztec, Maxicode, Hanxin code, Dotcode, Composite.
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.

## PRODUCT CONFIGURATION

Order number	Module							recommend
	Barcode module	RFID module			NFC module			
								
R7010	●							*
R7015	●							*
R7016	●							*
R7011	●	●						
R7012	●		●					
R7013	●			●				
R7014	●				●			
R7001		●						
R7002			●					
R7003				●				
R7004					●			
R7005						●		



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