

HUGEROCK RK80

RUGGED SMART TERMINAL

8 Inch Industrial Multi-function Smart Terminal

HugeroCK RK80 series smart terminal is a Feasible and portable mobile rugged IOT device specially designed for industrial fields like heavy vehicle etc,. It uses 8"high-brightness display, with toughened TP, is totally low-cost, high-performance, and complete reliable.Rich peripheral interfaces and optional internal modules can be adapted to a wide range of fields, like heavy-duty trucks, forklifts loader, large-scale agricultural machinery, vessel, etc. Combined with mobile networking, high-precision GPS, and various sensors, it can fully realize collection, transfer, monitoring, commanding and scheduling the various applications.



All-mode
Full Bands



IP65
Waterproof/Dustproof



5MP
Camera



GNSS
GPS+Beidou+Glonass
+AGPS+SBAS



HUGER  CK-RK80
Tools for M-IOT

Shenzhen SOTEN Technology Co., LTD

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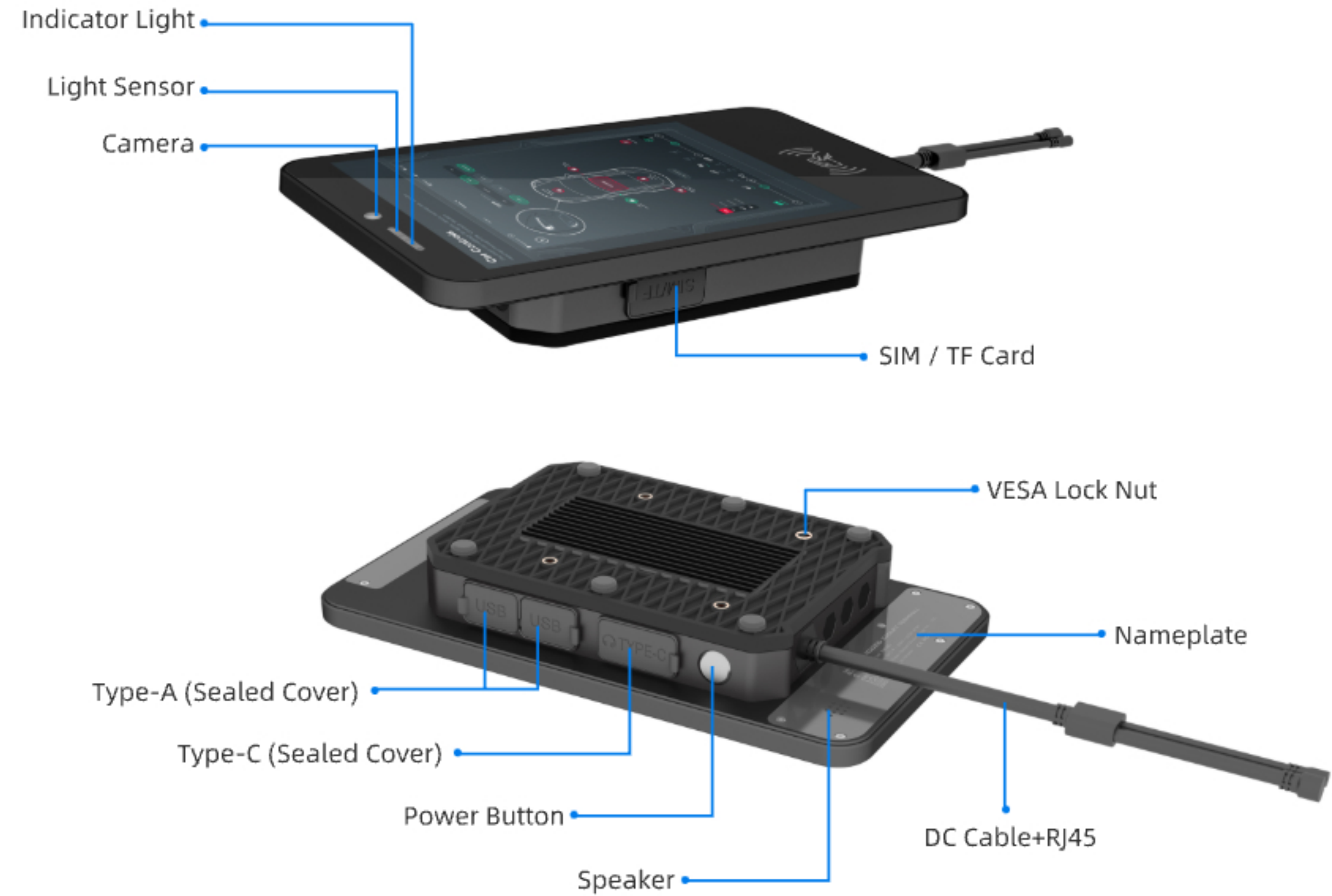
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APPEARANCE



SPECIFICATION

Model: RK80

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
Sub Camera	5.0MP	4G	FDD: 150Mbps down, 50Mbps UP TDD: 150Mbps downlink, 50Mbps uplink
Battery	No built-in battery/external power supply	4G Band	TD-LTE(B38/39/40/41); FDD LTE(B1/2/3/4/5/7/8/12/17/20/28)
Display	8 inch IPS/AFFS 1200*1920 FHD industrial 1000nit Sunlight Readable	WI-FI	Dual-band WIFI(2.4GHz/5Ghz) single stream 802.11 a/b/g/n/ac
Touch Panel	Capacitive/frosted tempered film supports glove touch/spray/active capacitive pen	BT	5.0 Low Energy(LE)
IO/Sensor/Navigation		Industrial & Reliability Design	
SIM Card	Nano sim card*2	Shake-proof	1-19Hz/1.0mm; 19-200Hz/1.0g
Headphone	3.5mm (CTIA)	Dropproof /IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
Data interface	USB Type-A(Host)*2, Type-C*1	Waterproof	Class 5 (IEC 60529)
Gravity sensor	support	Dustproof	Class 6 (IEC 60529)
Motion sensor	support	Reliability	MTBF>5000h; MTTR<0.5h
Direction Sensor	support	Operating temperature	-20°C to 70°C
Magnetic Field Sensor	support	Storage Temperature	-40°C to 80°C
Gyro sensor	support	RH	5% to 95%
Rotation Vector	support	Operating Altitude	Max: 4,500m (15,000 feet)
Light-sensor	support	Certification/OS/Software	
Acceleration sensor	support	Certification	3C/FCC/CE/ROHS/IP65(IEC 60529)
Body sensing	4G microwave radar sensor	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
Charger	DC 9 ~ 24V input, 3A 27W	OS	Android 11/13 (Continuous updates)
Navigation	GPS+Beidou+Glonass+AGPS+SBAS(EPO 2.5m)	Package/Warranty terms	
Appearance		Warranty	24 months
Size	240*141*34mm (LxWxH)	Package	Type-C Cable / Power adapter DC 12V / Quick Start guide / Screen protector / SIM Card Ejector
Weight	750g		
Color & Material	Black (ABS+PC+Metal)		



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FUNCTION MODULES

NFC	
Protocol standard	ISO14443A/B, ISO15693, NFC
Label standard	M1(S50, S70), CPU, NFC
Read-write distance	2-5cm

PRODUCT CONFIGURATION

Order Number	Module	Recommend	
			
05121054	NFC	*	



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