

HUGEROCK K80

RUGGED SMART TERMINAL

8 Inch Industrial Multi-function Smart Terminal

Hugerock K80 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



HUGEROCK-K80
tools for industrial

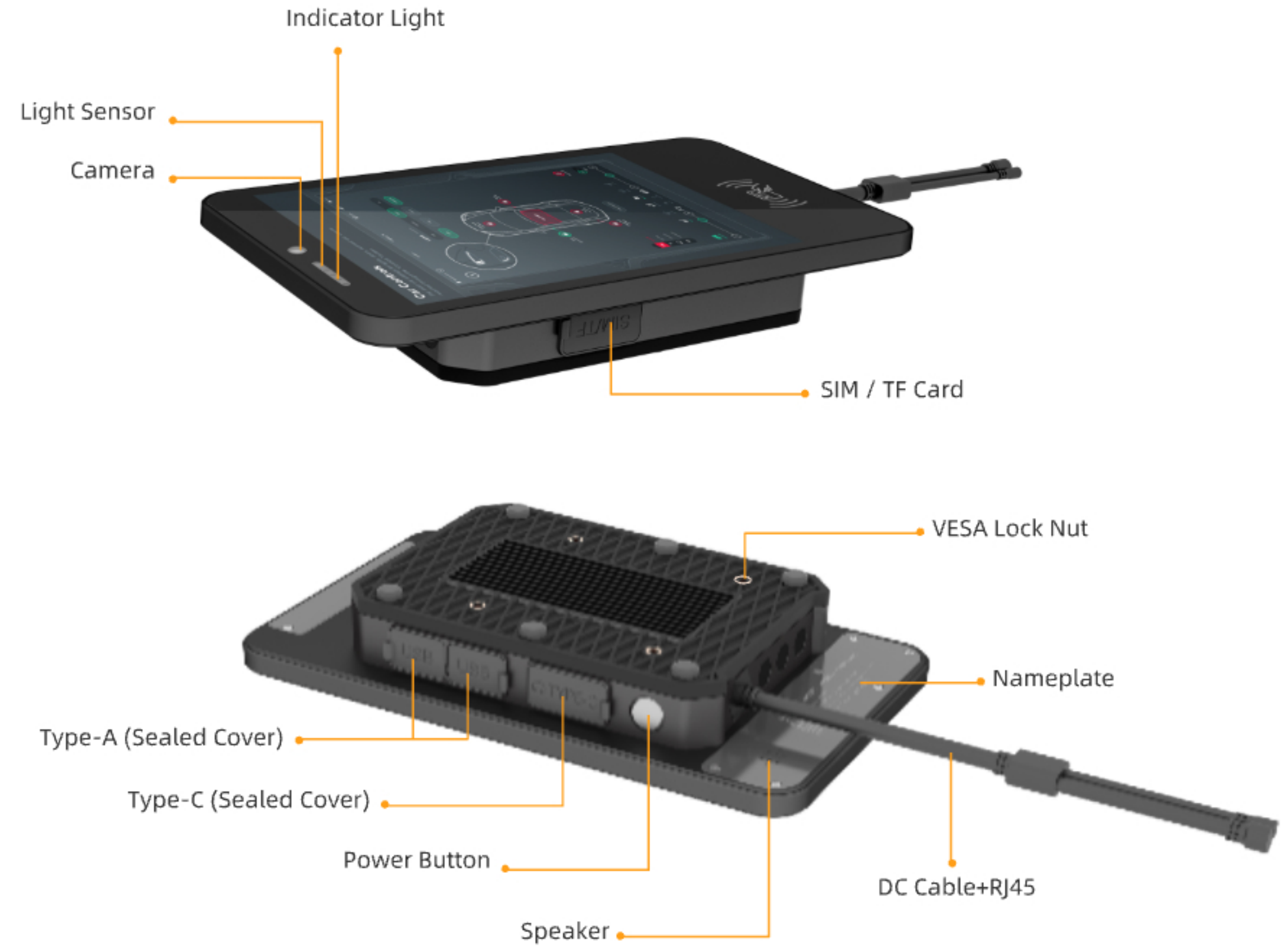
Shenzhen SOTEN Technology Co., LTD

ADD: 10th Floor, Block 2, Baiwang Research And Development Building, Xili Street, Shenzhen, Guangdong, China 518000

Phone: +86(0755)-61885156 61827963 Fax: +86(0755)-61827963

Web: www.soten.com.cn FAE: fae@soten.com.cn Skype: [sales.soten](https://www.skype.com/en/contacts/business/sales/soten)

APPEARANCE



SPECIFICATION

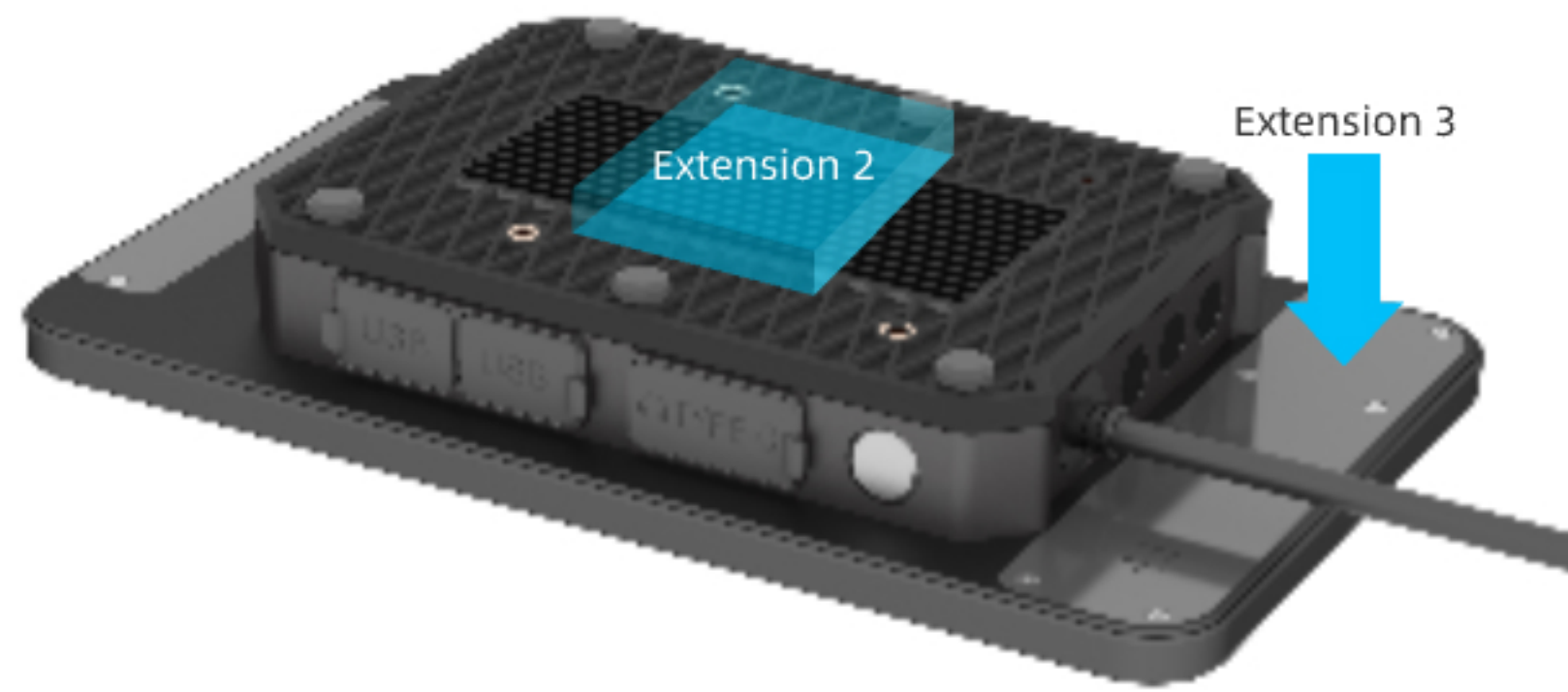
Model: K80

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	6GB	2G Band	GSM(B2/3/5/8)
Internal Memory	64GB	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)
UART (optinal)	The motherboard reserves two serial ports TTL3.3V	Dustproof	Class 6 (IEC 60529)
RS232 (optinal)	Optional RS232 serial port, use M8 5pin aviation plug to transfer 9pin	Reliability	MTBF>5000h; MTTR<0.5h
Gravity sensor	support	Operating temperature	-20°C to 70°C
Motion sensor	support	Storage Temperature	-40°C to 80°C
Direction Sensor	support	RH	5% to 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 9/10/11/13 (Continuous updates)
Body sensing	4G microwave radar sensor	Package/Warranty terms/OEM	
Charger	DC 9 ~ 24V input, 3A 27W	Warranty	24 months
Navigation	GPS+Beidou+Glonass+AGPS+SBAS(EPO 2.5m)	OEM/ODM	Support
Appearance		Package	Type-C Cable/Power adapter DC 12V/Quick start guide/Screen protector/SIM Card Ejector
Size	240*141*34mm (L×W×H)		
Weight	750g		
Color & Material	Black (ABS+PC+Metal)		

OPTIONAL MODULES



Extension 1



Extension 1	UHF module	(M500 ASTM) + Antenna (M500 EN) +Antenna	
	LF RFID module	125K LF ID card (8H-10D) 125K LF ID card (10D) 125K LF HID card module 134K LF animal tag module	
	HF RFID module	13.56M HF module (single protocol) 13.56M HF module (multi-protocol)	
	NFC	NFC module NFC antenna	
	Body sensing	4G microwave radar sensor	
Extension 2	RS232 x 2		
	TTL x 2		
	OBD module		
	I/O x 4		
	RJ45		
	Industrial-grade short-distance data communication module	433 module	ZigBee
Extension3 (cable)	OBD+RJ45		
	OBD+DB9		
	DC+RJ45		
	RJ45+DB9		