

HUGEROCK K80 Version: 2021

RUGGED SMART TERMINAL

8 Inch Industrial Multi-function Smart Terminal

Hugerock K80 (2021) 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



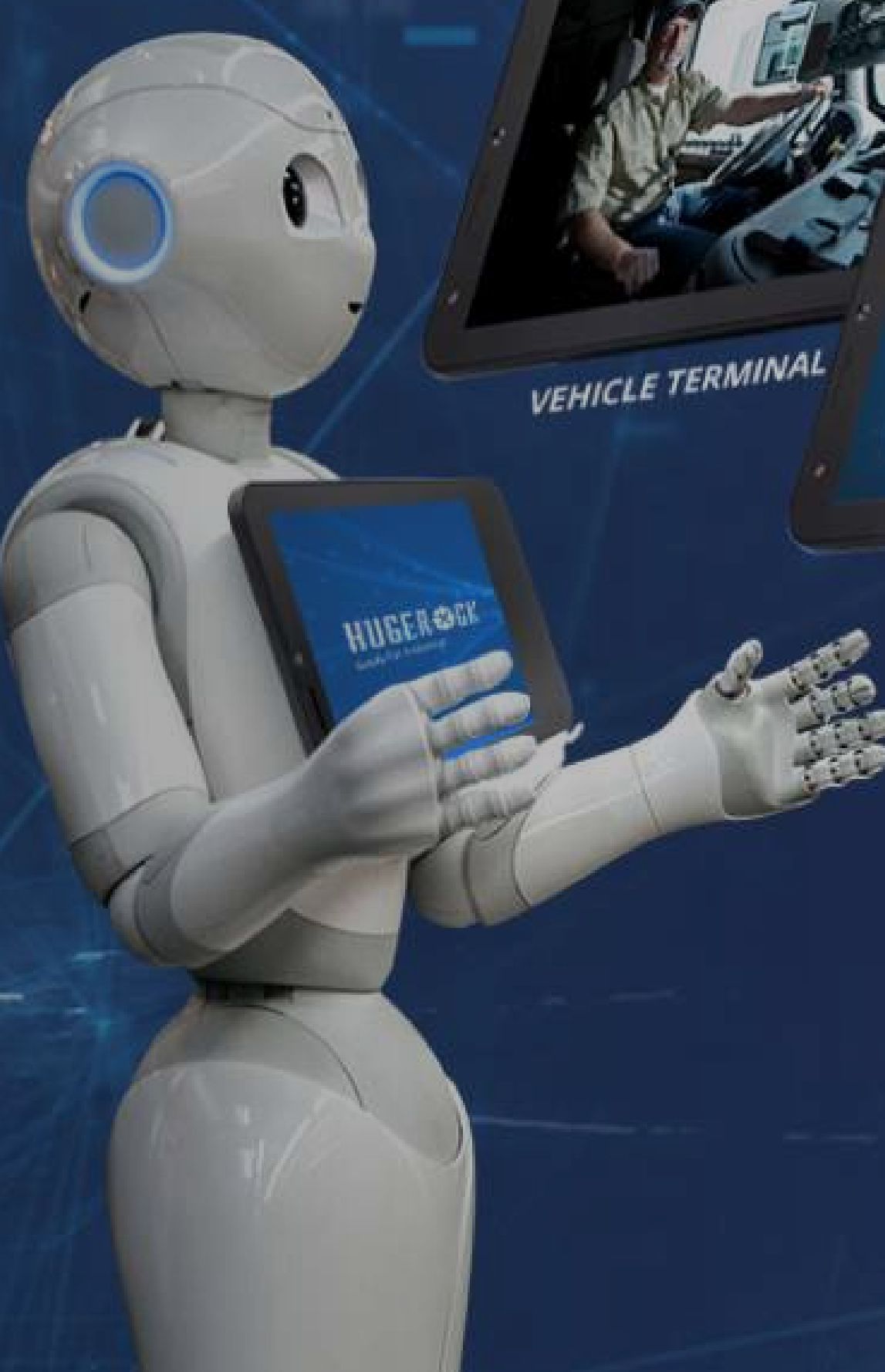
IP65 Waterproof/Dustproof



5M Camera



GNSS GPS+Beidou+Glonass +AGPS+SBAS



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APPEARANCE



- 1. SIM card
- 2. TF card
- 3. MIC
- 4. Indicator light
- 5. Light sensor
- 6. Camera
- 7. Type-A (Sealed Cover)
- 8. Type-C (Sealed Cover)
- 9. Headphone jack
- 10. Power key
- 11. GPS antenna (optional)
- 12. VESA lock nut
- 13. Speaker
- 14. OBD (optional)
- 15. I/O (optional)
- 16. DC cable/RJ45



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SPECIFICATION

Model : K80 (2021)

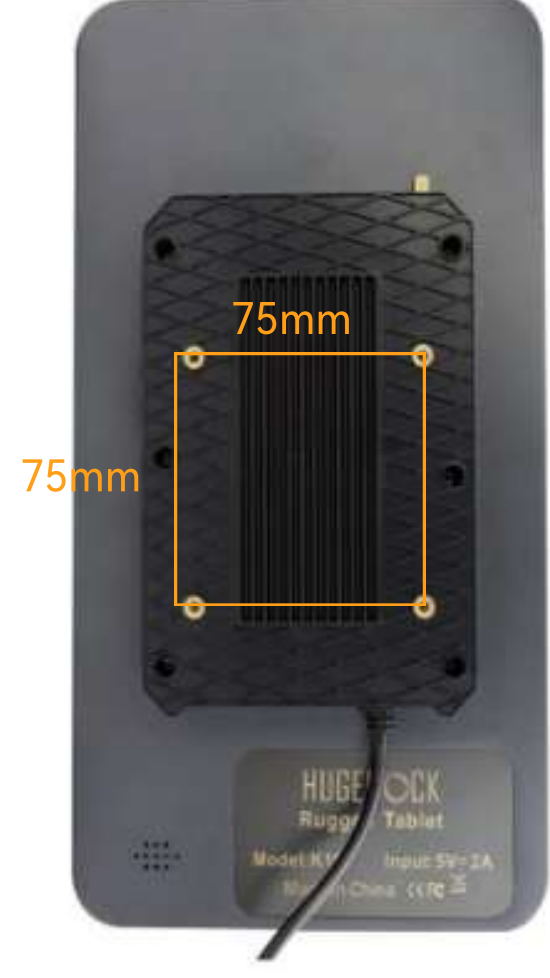
Hardware	Communications & Networking
CPU: ARM Cortex A73 octa-core (2.0GHz)	Phone Call: GSM /WCDMA/CDMA 1X/VoLTE
GPU: ARM Mali-G72 MP3	2G: GSM/CDMA 1X/EDGE/GPRS/WAP
RAM: 4G	2G Band: GSM(B2/3/5/8)
Internal Memory: 32G	3G: WCDMA 3.75G (HSDPA+ 42.2Mbps, HSUPA+ 11.5Mbps), EVDO
External Memory: Micro SD card (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
TF Card: Micro SD card (T-FLASH card); max 256GB	Dropproof /IK: MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
Headphone: 3.5mm (CTIA)	Waterproof: Class 5 (IEC 60529)
Data Interface: USB Type-A(Host)*2, Type-C*1	Dustproof: Class 6 (IEC 60529)
UART (optional): The motherboard reserves two serial ports TTL3.3V	Reliability: MTBF>5000h; MTTR<0.5h
RS232 (optional): Optional RS232 serial port, use M8 5pin aviation plug to transfer 9pin	Operating temperature: -20°C to 70°C
Gravity sensor: support	Storage Temperature: -40°C to 80°C
Motion sensor: support	RH: 5% to 95%
Direction Sensor: support	Operating Altitude: Max: 4,500m (15,000 feet)
Magnetic Field Sensor: support	Certification/OS/Software
Gyro sensor: support	Certification: 3C/CCC/CE/ROHS/IP65(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 / 11
Acceleration sensor: support	Package/Warranty terms/OEM
Body sensing: 4G microwave radar sensor	Warranty: 24 months
Charger: DC 9~24V input, 3A 27W	OEM/ODM: Support
Navigation: GPS+Beidou+Glonass+AGPS+SBAS(EPO 2.5m)	Package: Type-C Cable/Power adapter DC 12V/Quick start guide/Screen protector/Aircraft box /SIM Card Ejector
Appearance	
Size: 240*141*34mm (L*W*H)	
Weight: 750g	
Color & Material: grey	



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APPLICATION BRACKET

1. Vehicle bracket/holder (27MM)
2. Vehicle bracket/holder (15MM)
3. Desktop adjustable bracket
4. Pipe bracket
5. Wall mount bracket
6. Vehicle head bracket

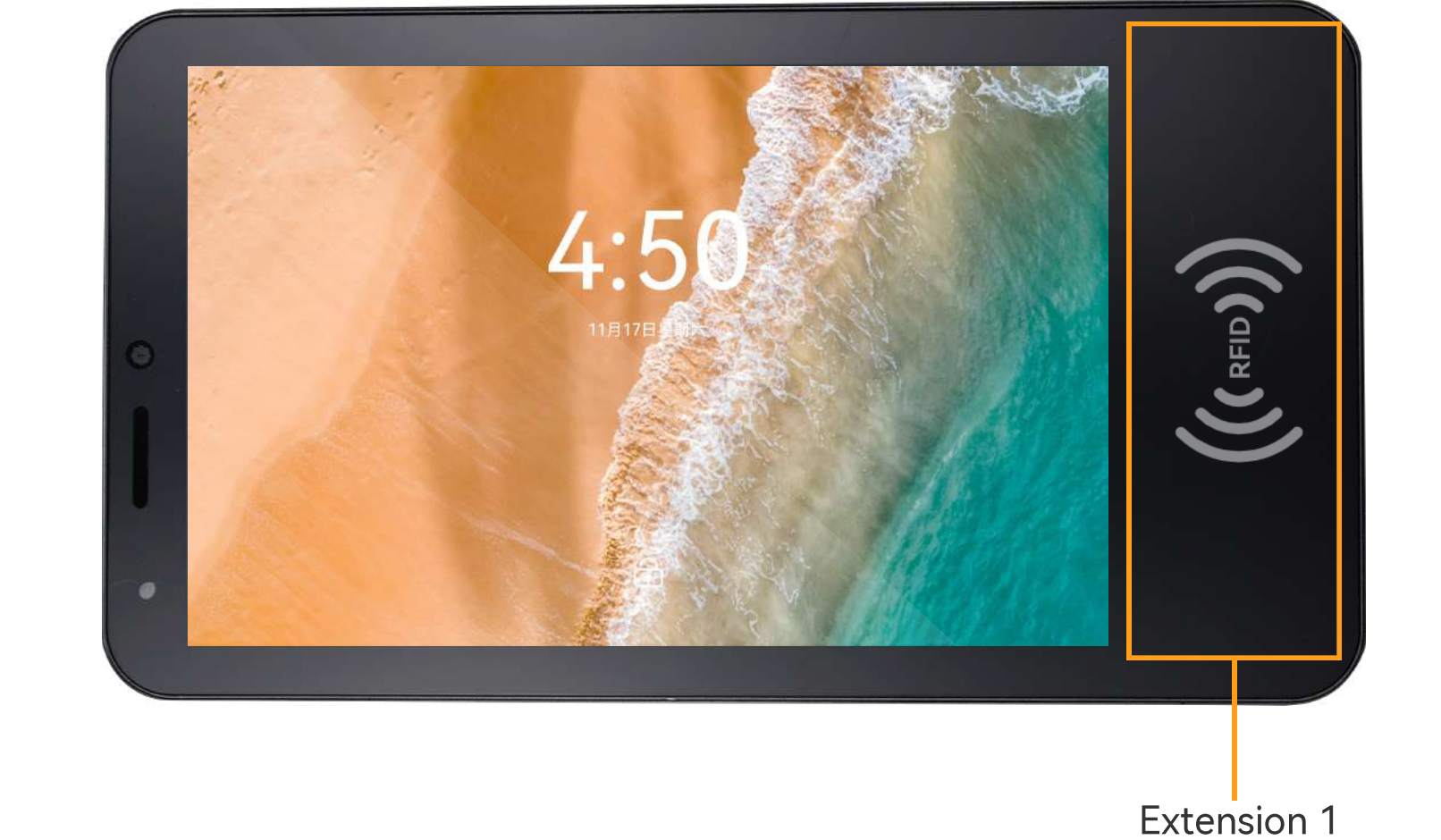


VESA 75 standard installing



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OPTIONAL MODULES



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	



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Customized



LOGO

NFC\LOGO Can silk screen position



NFC\LOGO Can silk screen position

Boot screen: widthwise

Boot screen background color: white, light color

Boot screen resolution: 1200*1920



Nameplate customization:

Program 1: C: Iron gray
M: stainless iron
F: Baking varnish, laser carving

Nameplate size: 91.95*35.42mm
Example



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