

HUGEROCK K70 Version: 2021

RUGGED SMART TERMINAL

7 Inch Industrial Multi-function Smart Terminal

Hugerock K70(2021) series smart terminal is a Feasible and portable mobile rugged IOT device specially designed for industrial fields like heavy vehicle etc. It uses 7" 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

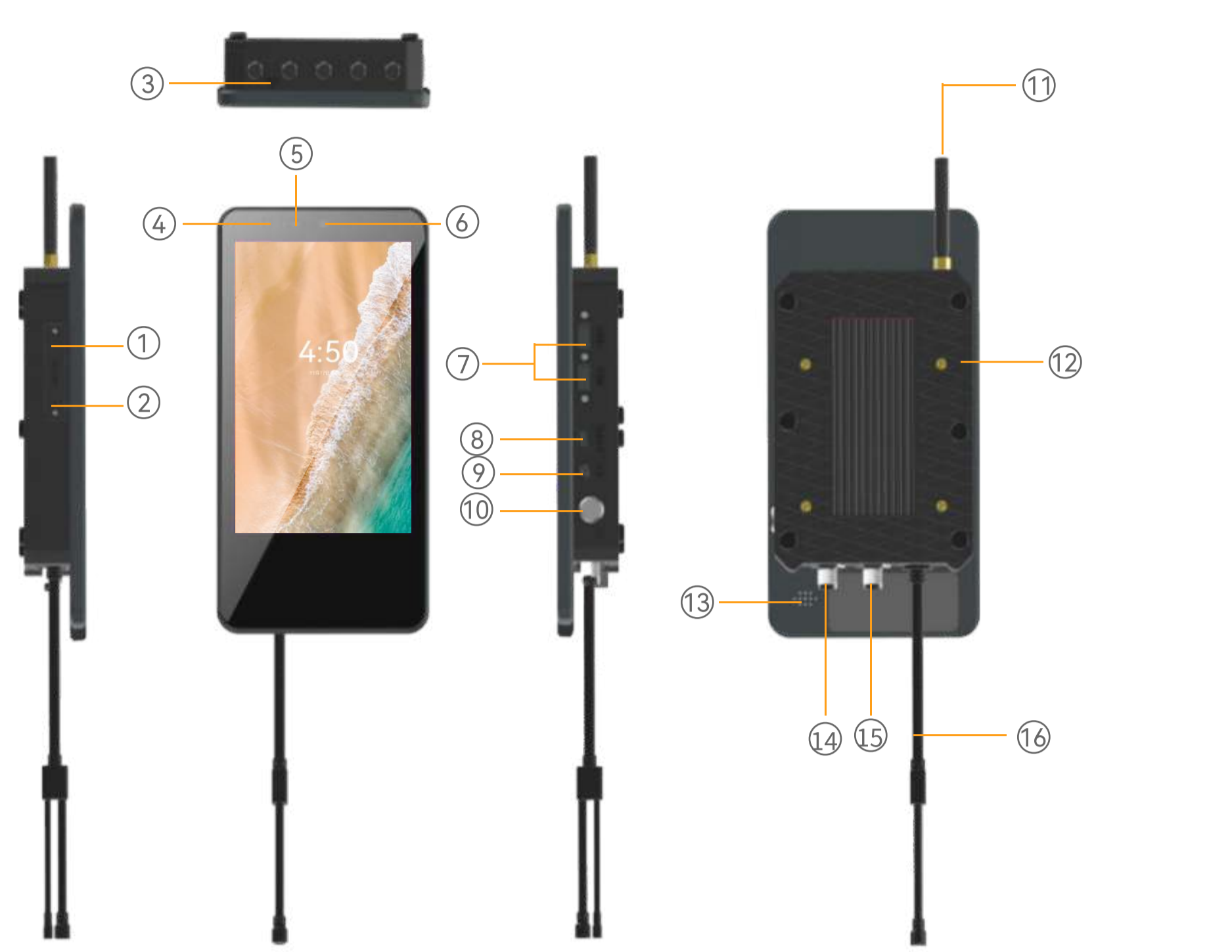


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APPEARANCE



Model : 70K21K



- 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 : K70(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	7 inch IPS/AFFS 720*1280 HD 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)
I/O/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: 4,500 m(15,000 feet)
Magnetic Field Sensor	support	Certification/OS/Software	
Gyro sensor	support	Certification	3C/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	226.5*117.5*34mm (L*W*H)		
Weight	640g		
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

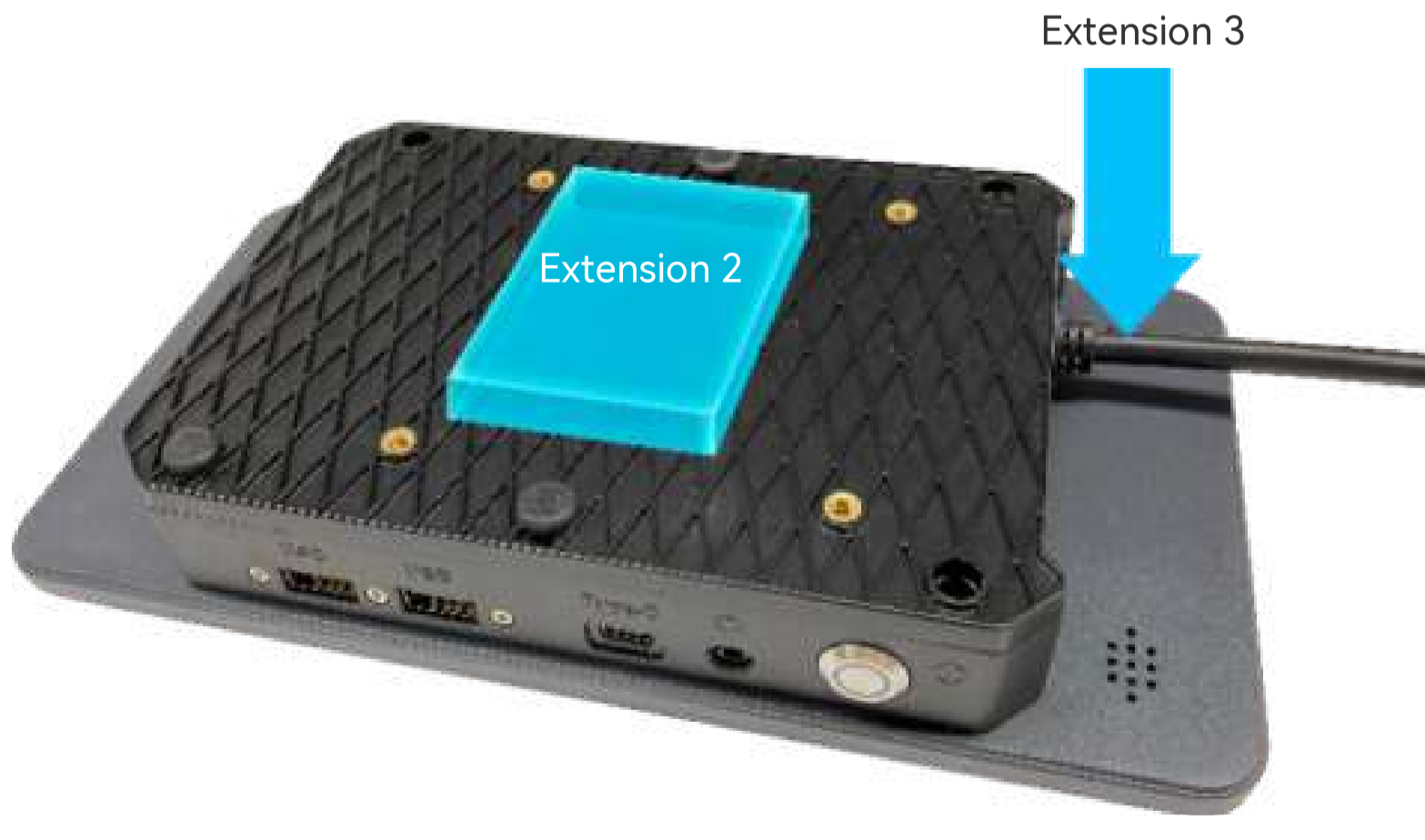


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OPTIONAL MODULES



Extension 1



Extension 3

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	
Extension3 (cable)	Industrial-grade short-distance data communication module	433 module ZigBee
	OBD+RJ45	
	OBD+DB9	
	DC+RJ45	
	RJ45+DB9	



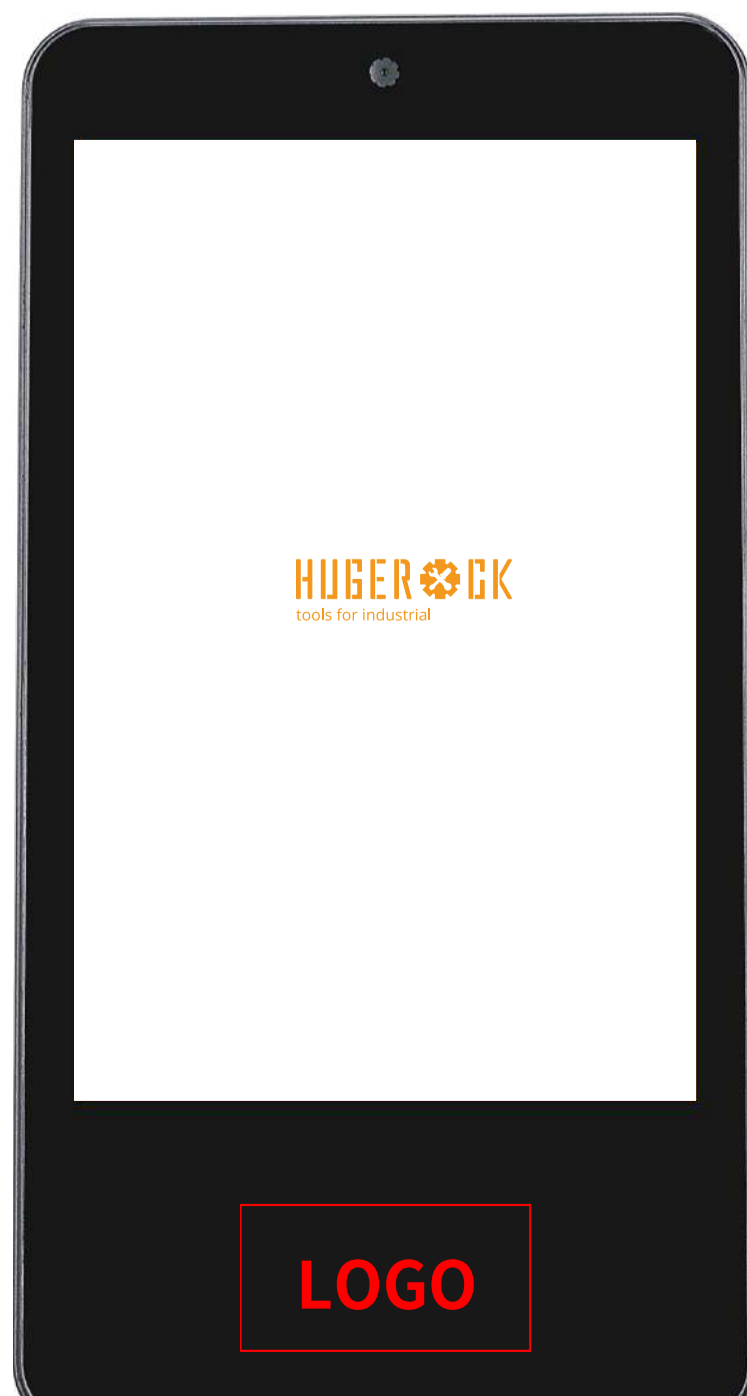
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Customized



LOGO

NFC\LOGO Can silk screen position



NFC\LOGO Can silk screen position

Boot screen: lengthways

Boot screen background color: white, light color

Boot screen resolution: 720*1280



Nameplate customization:

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

Nameplate size: 110.6*30.37mm

Example



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