

HUGEROCK K101

Version: 2021

RUGGED SMART TERMINAL

10.1 inch Industrial Multi-function Smart Terminal

Hugerock K101(2021) series smart terminal is a Feasible and portable mobile rugged IOT device specially designed for industrial fields like heavy vehicle etc. It uses 10.1" 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



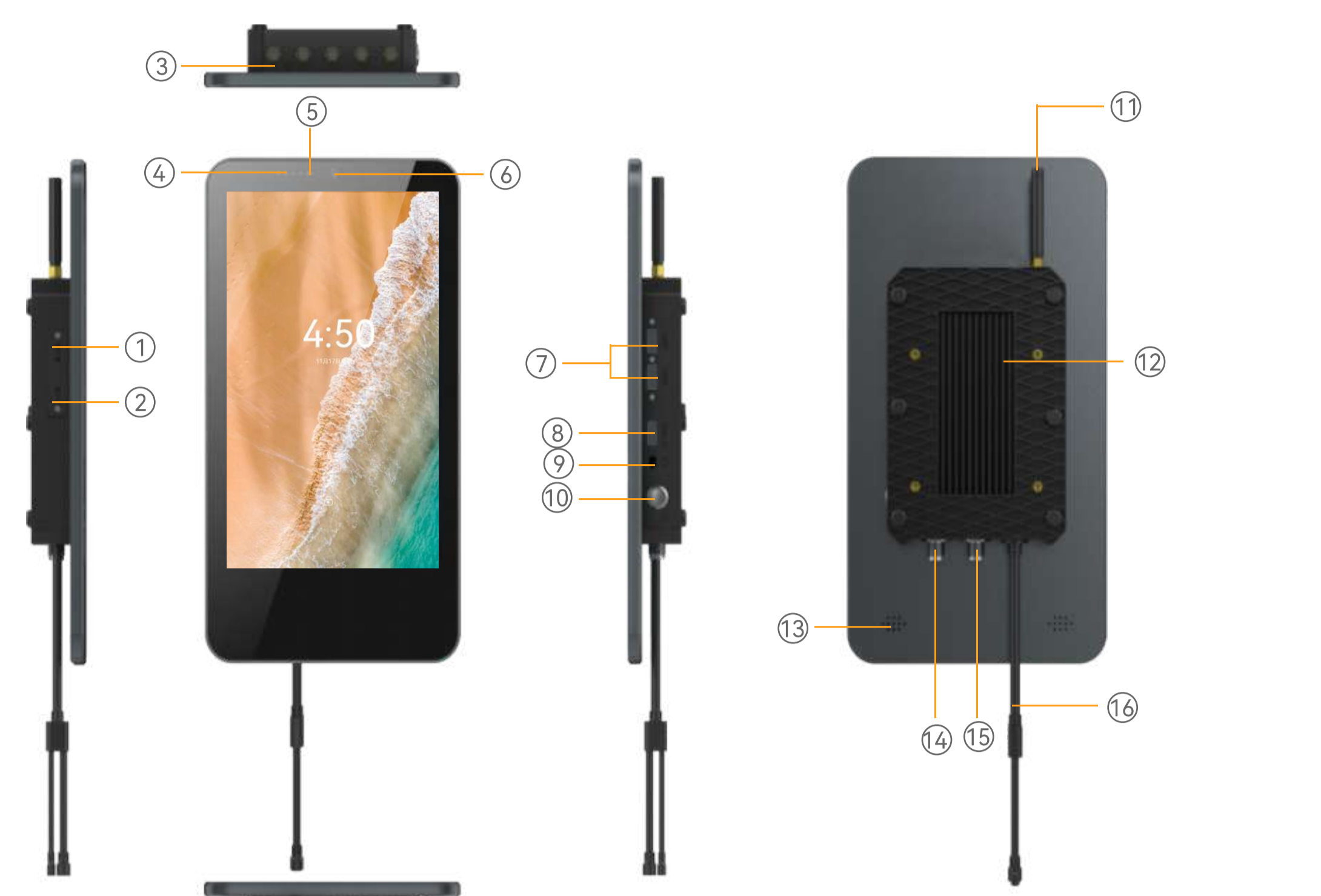
HUGEROCK-K101
tools for industrial

Shenzhen SOTEN Technology Co., LTD
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APPEARANCE



Model: 101K21K



- 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 : K101(2021)

Hardware	CPU: ARM Cortex A73 octa-core (2.0GHz) GPU: ARM Mali-G72 MP3 RAM: 4G Internal Memory: 32G External Memory: Micro SD card(T-FLASH card), max 256GB Sub Camera: 5.0MP Battery: No built-in battery/external power supply Display: 10.1 inch IPS/AFFS 1200*1920 FHD industrial 450nit Sunlight Readable Touch Panel: Capacitive/frosted tempered film supports glove touch/spray/active capacitive pen	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 BT: 5.0 Low Energy(BLE)
IO/Sensor/Navigation	SIM Card: Nano sim card*2 TF Card: Micro SD card(T-FLASH card); max 256GB Headphone: 3.5mm(CTIA) Data Interface: USB Type-A(Host)*2, Type-C*1 UART (optinal): The motherboard reserves two serial ports TTL3.3V RS232 (optinal): Optional RS232 serial port, use M8 5pin aviation plug to transfer 9pin Gravity sensor: support Motion sensor: support Direction Sensor: support Magnetic Field Sensor: support Gyro sensor: support Rotation Vector: support Light-sensor: support Acceleration sensor: support Body sensing: 4G microwave radar sensor Charger: DC 9~24V input,3A 27W Navigation: GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	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) Reliability: MTBF=5000h; MTTR<0.5h Operating temperature: -20°C to 70°C Storage Temperature: -40°C to 80°C RH: 5% to 95% Operating Altitude: Max: 4,500m (15,000 feet)
Appearance	Size: 300*166*34mm (L*W*H) Weight: 880g Color & Material: grey	Certification/OS/Software	Certification: 3C/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 / 11 Package/Warranty terms/OEM: 24 months Warranty: Support OEM/ODM: Support
		Package	Type-C Cable/Power adapter DC 12V/Quick start guide/Screen protector/Aircraft box /SIM Card Ejector



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APPLICATION BRACKET

- Vehicle bracket/holder (27MM)
- Vehicle bracket/holder (15MM)
- Desktop adjustable bracket
- Pipe bracket
- Wall mount bracket
- Vehicle head bracket



VESA 75 standard installing



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OPTIONAL MODULES



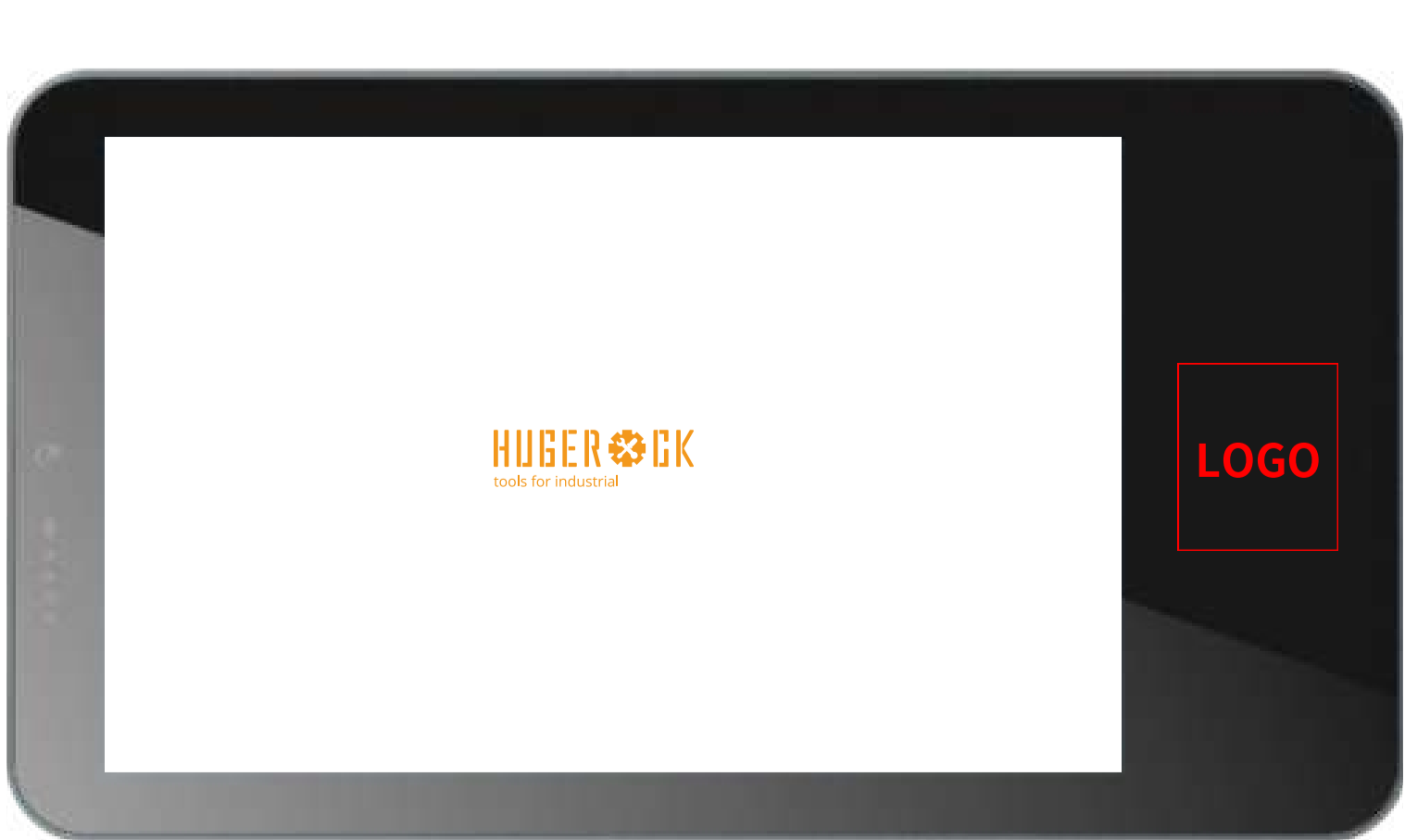
Extension 1	UHF module	(M500 ASTM) + Antenna (M500 EN) + Antenna
	LF RFID module	125K LF ID card (8H-10D) 125K LF ID card (10D) 125K LF HID card module 134K LF animal tag module
	HF RFID module	13.56M HF module (single-protocol) 13.56M HF module (multi-protocol)
	NFC	NFC module NFC antenna
	Body sensing	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

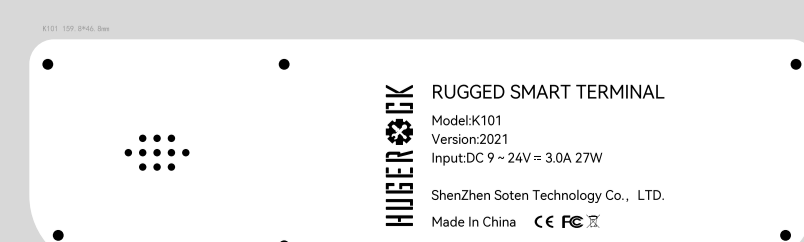
Boot screen background color: white, light color
Boot screen resolution: 1200*1920



Nameplate customization:

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

Nameplate size: 159.8*46.8mm
Example



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