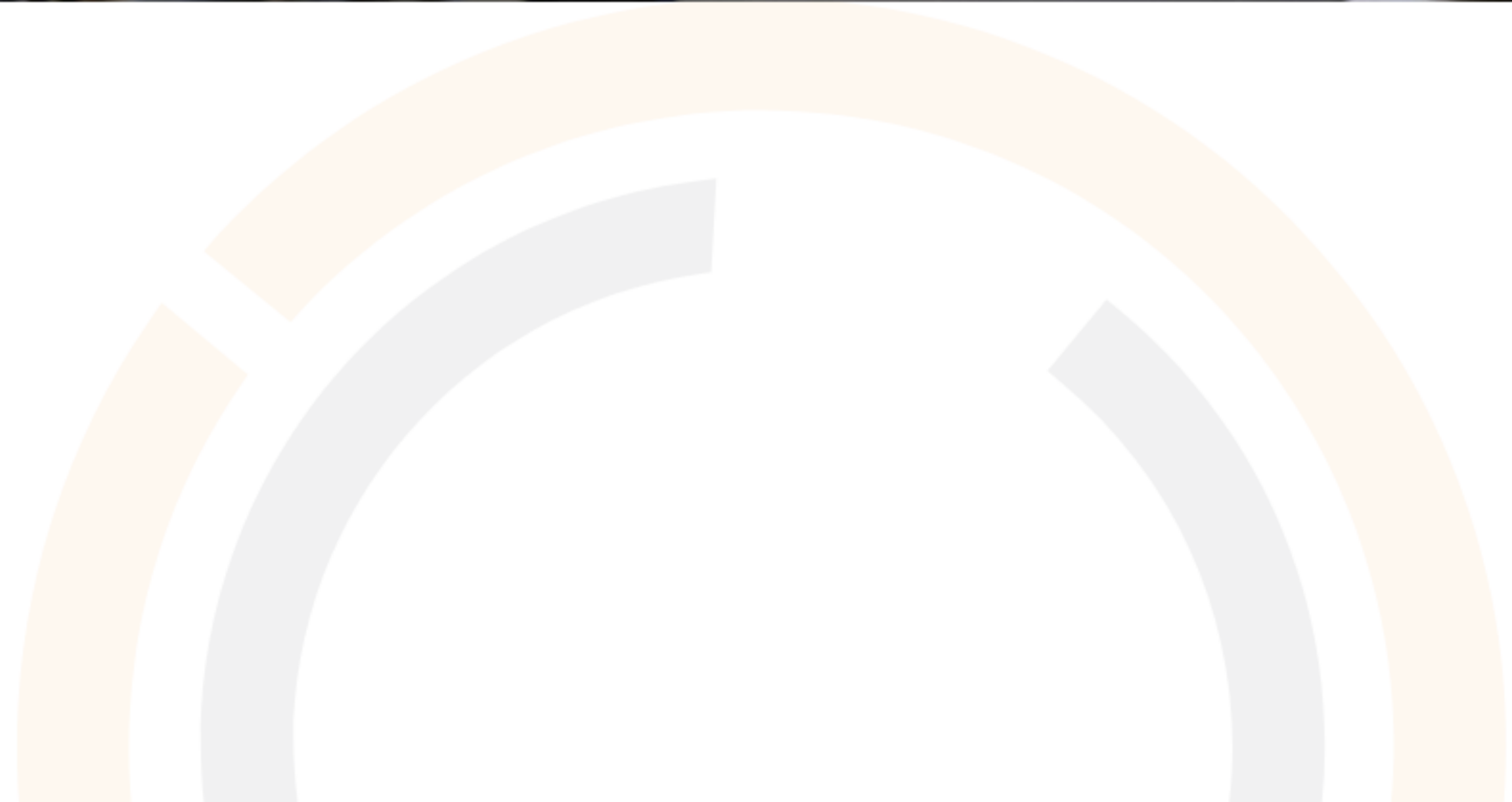
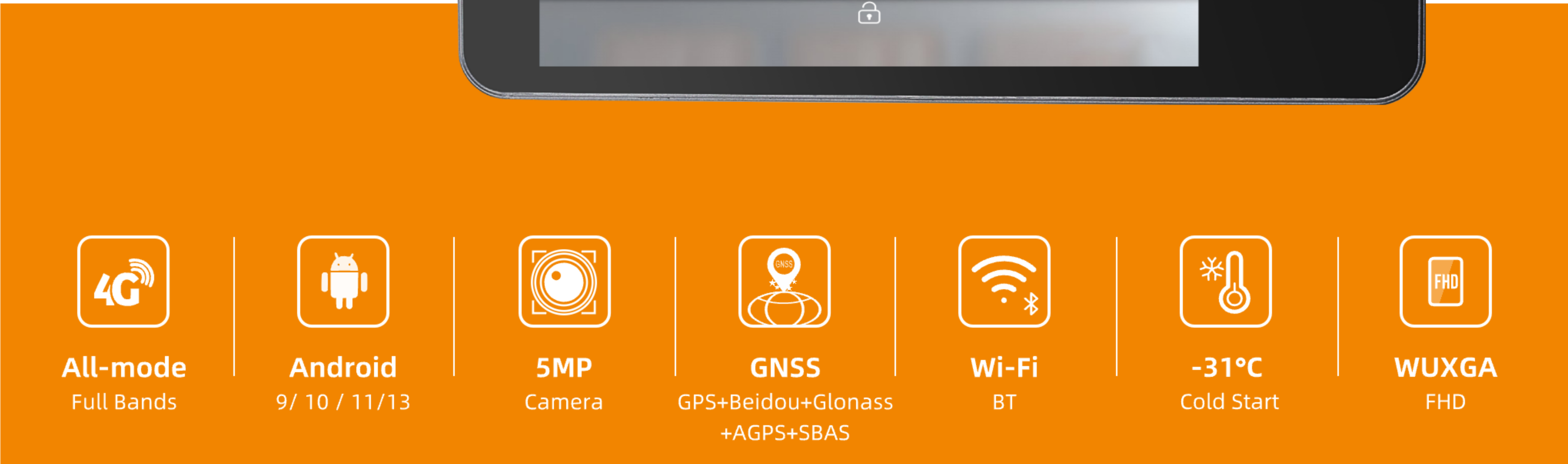


HUGEROCK K-SMART RUGGED SMART TERMINAL

Industrial Multi-function Smart Terminal

The HUGEROCK K-Smart Series is a premium line of rugged intelligent terminals designed for demanding industrial and commercial environments. Available in 7, 8, and 10.1-inch FHD full-view displays with fully hardened capacitive touchscreens, it delivers exceptional visual clarity and tactical durability. Engineered with a high-toughness PC+ABS and TPU composite housing, the series achieves a perfect balance of impact resistance and structural rigidity, ensuring stable performance in extreme temperatures from -31°C to 70°C. This highly integrated, "plug-and-play" professional solution eliminates complex integration risks, offering distributors a reliable, market-ready product with consistent quality. The K-Smart series is the definitive choice for smart office management, facial recognition, laboratory automation, and AI-driven human-machine interaction.



SPECIFICATION

HUGEROCK K-SMART

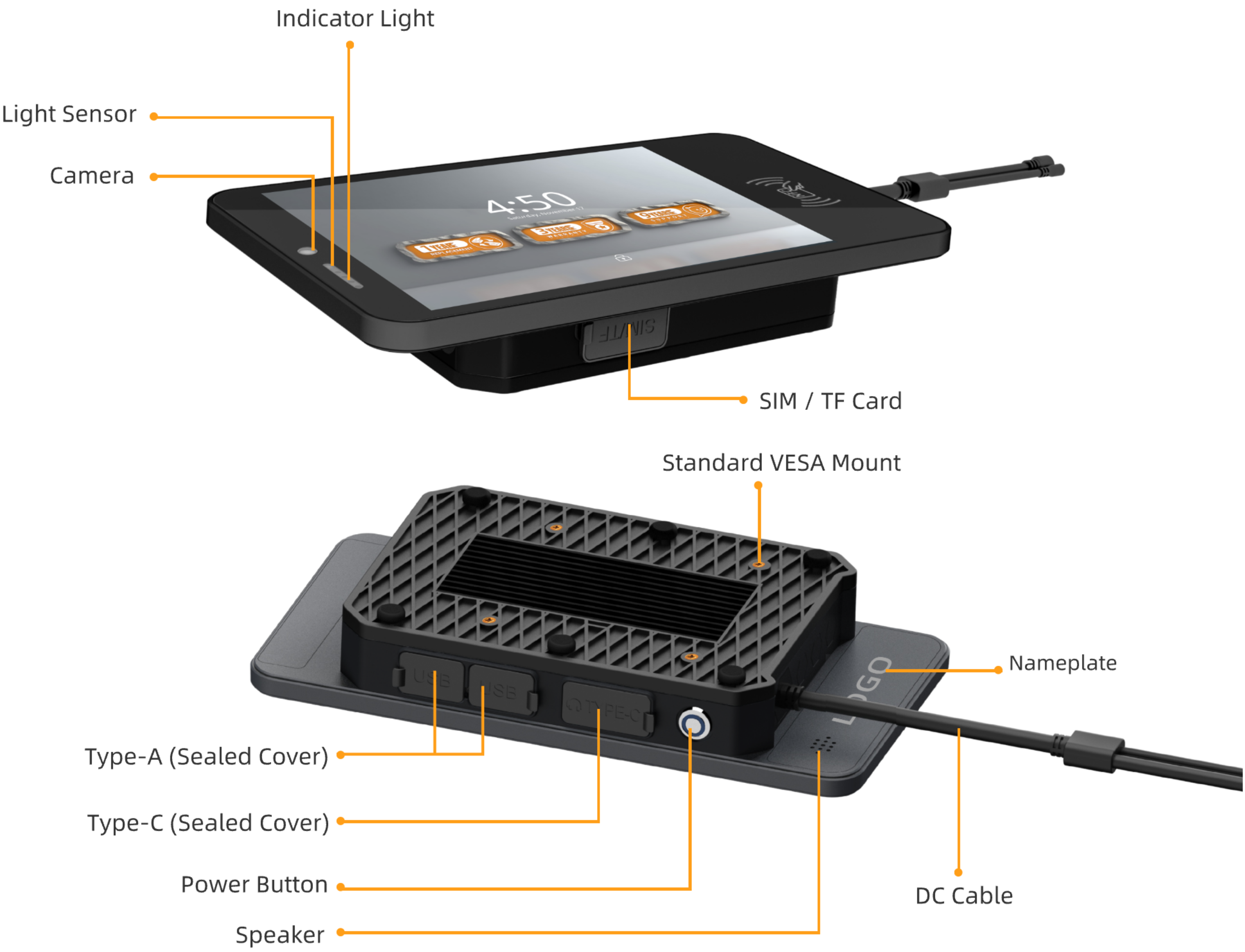
Model: K70



Model: K80



Model: K101



SPECIFICATION

HUGEROCK K-SMART

Key Hardware Specifications	
Processor	ARM Cortex A73 octa-core(2.0GHz)
Graphics	ARM Mali-G72 MP3
Memory	6GB
Storage	64GB
Expandable Memory	Micro SD card (T-FLASH card), Max 2TB
Sub Camera	5.0MP
Battery	No built-in battery/ External power supply
Display*	7 inch IPS/AFFS 720*1280 HD industrial 1000nits Sunlight Readable
Touchscreen	Capacitive touchscreen Glove-touch support Anti-fog coating Active stylus compatible

Interfaces & Sensors	
SIM Card/ TF Card	Nano SIM card * 2, MicroSD card * 1 (Choose any two out of three)
Headphone	3.5mm (CTIA)
Power interface	DC12V
Data interface	USB Type-A(Host)*2, Type-C*1
Gravity Sensor	Support
Magnetic Field Sensor	Support
Motion Sensor	Support
Gyroscope sensor	Support
Light-sensor	Support
Acceleration Sensor	Support
Body sensing	4G microwave radar sensor
Charger	AC 220V input, 12V output, 2A 24W
Navigation	GPS+Beidou+Glonass+AGPS+SBAS(EPO2.5m)

Physical Characteristics	
Size*	227*118*34mm (L×W×H)
Weight*	640g
Material	Black (ABS+PC+Metal)

Connectivity	
Cellular	GSM/WCDMA/VoLTE
2G	GSM/EDGE/GPRS/WAP
2G Band	GSM (B2/3/5/8)
3G	WCDMA 3.75G (HSDPA+42.2Mbps, HSUPA+11.5Mbps)
3G Band	WCDMA(B1/2/5/8)
4G	FDD: 150Mbps down, 50Mbps UP TDD: 150Mbps, 50Mbps up
4G Band	TDD-LTE (B38/39/40/41); FDD LTE (B1, B2,B3,B4,B5,B7,B8,B12,B17,B20,B28)
WI-FI	Dual-band WIFI(2.4GHz/5Ghz)single stream 802.11 a/b/g/n/ac
BT	5.0 Low Energy (LE)

Industrial Design & Reliability	
Vibration Resistance	1-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration
Drop Resistance	MIL-STD-810H compliant (1.8m) IK08 impact protection
Operating Temperature*	-31℃ to 70℃
Storage Temperature	-40℃ to 80℃
Reliability	MTBF>5000h; MTTR<0.5h
Relative Humidity	5% to 95% (95%RH, non-condensing)
Operating Altitude	Up to 4,500m (15,000 feet)

Certifications & Software	
Certifications	3C/FCC/CE/ROHS/IP66 (IEC 60529)
Language	Chinese (Simplified/Traditional), English, Spanish, Portuguese (BR/PT), Italian, German, Dutch, French, Polish, Romanian, Turkish, Russian, Arabic, Indonesian, Malay, Thai, Vietnamese, Hindi, Hebrew
OS	Android 9/10/11/13 (Continuous updates) with GMS

Package/Warranty terms	
Warranty	36-month device warranty
Package	USB Cable/Charger/Introduction Manual/Screen protector/Packing box/ Precautions Card/GPS antenna/Wall Mount Bracket

*Detailed specifications vary by version. Refer to the differences table for details.

MODEL COMPARISON TABLE

	K-SMART K70 (4G-M40)	K-SMART K80 (4G-M40)	K-SMART K101 (4G-M40)
Display	7 inch IPS/AFFS 720*1280 HD industrial 1000nits Sunlight Readable	8 inch IPS/AFFS 1200*1920 FHD industrial 1000nits Sunlight Readable	10.1inch IPS/AFFS 1200*1920 FHD industrial 500nits Sunlight Readable

SOURCING GUIDE

Order No.	Model	Function Desscription
05121053	K-SMART K70 (4G-M40)	HUGEROCK/K70-M40/6GB+64GB/Gray/720*1280/1000nits
05121144	K-SMART K80 (4G-M40)	HUGEROCK/K80-M40/6GB+64GB/Gray/1200*1920/1000nits
05121055	K-SMART K101 (4G-M40)	HUGEROCK/K101-M40/6GB+64GB/Gray/1200*1920/500nits

MODULE SPECIFICATIONS

RFID Reader Optional LF HF UHF	
125K LF RFID Module	Support: ID Card(8HEX-10D)EM4100, 4001, TK4100, EM4305 Read Distance 2-5cm(Optional HID card support)
13.56M HF RFID or NFCModule	13.56M HF Support ISO14443A/B/ISO15693 Readable/Data Transmission/Card Emulation/Encryption Authenticated Read Distance: 2-5cm
134.2K LF RFID Module	Operation Frequency: 134.2kHz Support Agreement: ISO11784/5 Read Distance: 2-5cm Working Mode: FDX-B(Full-duplex Communication)

Industrial-grade Shortdistance Data Communication Module
Lora
ZigBee

RS232 Serial Port Module	
UART	The motherboard reserves two TTL 3.3V serial ports and one GPIO port, supporting the connection of serial modules.
RS232	Optional RS232 serial port, using M8 5-pin aviation plug to 9-pin adapter
RS485	Optional RS485 Serial Port (1 channel)
OBD Module	
I/O:4 channels	
RJ45 Ethernet Port	

