

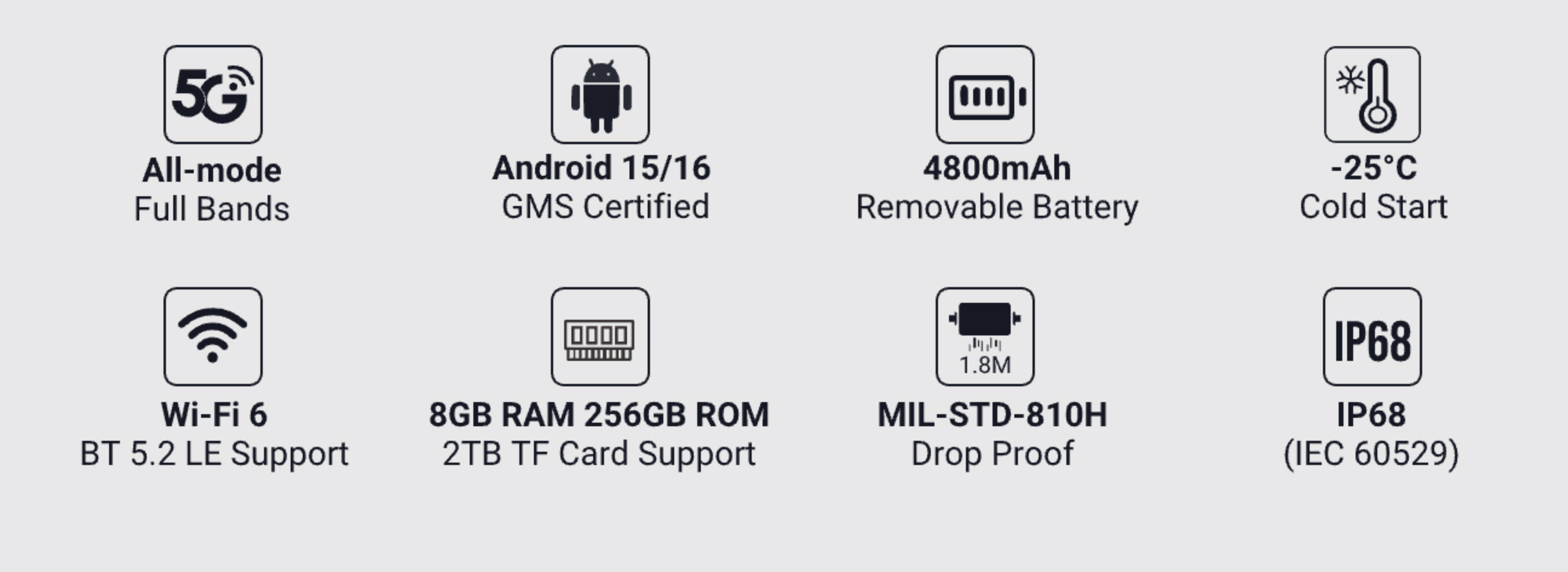
HUGEROCK H-SMART H61



Rugged Handheld

6.3-inch Rugged Industrial Multifunctional Mobile Terminal

The Hugerock H-Smart H61 Series Industrial-Grade Intelligent Terminal is designed for harsh environments, featuring IP68 waterproof (IEC 60529), IP6X dustproof (IEC 60529), and MIL-STD-810H 1.8m drop resistance. It includes a 6.3-inch OLED display (1080*2340, 500nits), a 4800mAh removable battery with 18W PD fast charging, and modular hardware options like NFC and barcode scanning. Ideal for logistics, oil/gas exploration, public safety, and industrial control, its modular design reduces costs and extends lifespan, making it perfect for outdoor inspections, mobile law enforcement, and industrial use.



SPECIFICATION

Core Hardware Specifications	
Processor	MediaTek Kompanio 900T Octa-core Up to 2.6GHz 6nm process
Graphics	ARM G68 MC4
AI Processing	APU 3.0 (2.6T)
Memory	8GB LPDDR4 RAM
Storage	256GB UFS
Expandable Memory	Expandable via microSD (supports up to 2TB)
Camera	Rear Dual Camera: Main: 48MP with autofocus & electronic flash, Secondary: 5MP wide-angle lens Front: 8MP front-facing camera
Battery	4800mAh removable battery
Display	6.3-inch OLED 1080×2340 FHD+ resolution 500 nits high-luminance
Touchscreen	Capacitive touchscreen Glove-touch support Anti-fog coating

Interfaces & Sensors	
Card Slots	Dual nano-SIM + microSD (triple slot, dual-SIM or SIM+SD)
Charging	Type-C
Data Ports	USB Type-C (OTG) ×1
Sensors	Gravity, geomagnetic, gyroscope, rotation vector, ambient light, accelerometer
Charger	5V 2A, 9V 2A, Support PD fast charge protocol
Navigation	L1+L5 GPS/BeiDou/GLONASS/Galileo/QZSS with AGPS/SBAS support



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Connectivity	
Cellular	WCDMA/LTE-TDD/LTE-FDD/5G NR
2G /3G/4G/5G	2G: GSM 850/900/1800/1900MHz 3G: WCDMA B1/B2/B5/B8 (42.2Mbps DL / 11.5Mbps UL) 4G: FDD: 150Mbps down, 50Mbps up TDD: 150Mbps downlink, 50Mbps uplink, Band: TDD-LTE (B34/38/39/40/41); FDD LTE (B1/2/3/4/5/7/8/12/17/20/26/28a&b) Cat-18 5G NR SA n1/n3/n20/n28/n41/n77/n78/n79 5G NR NSA n1/n3/n41/n7 DL 4x4 n1/n3/n41
Wireless	Dual-band Wi-Fi 6 2x2 (2.4/5GHz, 802.11a/b/g/n/ac/ax) BT 5.2 LE

Environmental Ratings	
Vibration	1–19Hz/1.0mm amplitude; 19–200Hz/1.0g acceleration
Drop Resistance	MIL-STD-810H compliant (1.8m) IK07 impact protection
Water/Dust resistance	IP68 (IEC 60529)
Operating Temperature	-25°C to 55°C
Storage Temperature	-40°C to 80°C
Reliability	MTBF>5000h; MTTR<0.5h
Humidity	5% to 95% (95%RH, non-condensing)
Altitude	Up to 4,500m (15,000 feet)

Certifications & Software	
Certifications	3C/FCC/CE/ROHS/IP68 (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 15/16 (GMS Certified)

Design & Durability	
Dimensions	172* 77 * 17mm (L×W×H)
Weight	300g
Material	Black & gray PC-ABS composite

Packaging & Warranty	
Warranty	36-month device warranty (12-month battery warranty)
Package	Type-C cable ×1, Pre-applied screen protector ×1, Packaging box ×1, User manual ×1, Safety card ×1, Wrist strap×1

Order No.	Model	Function Desscription
05121156	H-Smart H61 (5G-M60)	HUGEROCK/H61-M60-R/8GB+256GB/Gray+Black/1080*2340/500nits/48MP+5MP/E20/NFC

MODULE SPECIFICATIONS

NFC Module		P/N: 01250227
Feature Overview	Integrated NFC module with standardized API interfaces, enabling mobile payment solutions and bank card transactions.	
Operational Modes	Read/Write: Full read/write capability for NFC tag data storage and retrieval. Card Emulation: Mimics NFC cards for contactless payment systems and secure access control. Peer-to-Peer: Facilitates seamless data exchange between NFC-compatible devices.	
Performance Metrics	Effective Range: 20–50mm tag interaction distance. Frequency: 13.56MHz high-frequency operation.	
Supported Standards	RF Protocols: ISO/IEC 14443A/B, ISO/IEC 15693, ISO/IEC 18092, NFC Forum specifications. Tag Compatibility: Comprehensive support for industry-standard cards, Including: MIFARE S50/S70, Ultralight, NTAG 203/213/215/216, FM1204/FM1208, DESFire EV1 (D21/D41/D81),SRI512/SRIX4K, iCODE, HF Tagit, and derivatives.	
Barcode Module: E20 Barcode Scanner Module		P/N: 02690141
2D	QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417, Aztec, Maxicode, Hanxin Code, Dotcode, Composite.	
1D	Code 128 (ISBT 128, AIM 128, GSI 128), EAN-13, EAN-8, UPC-E, UPC-A, ISBN, ISSN, Code11,Interleaved 2 of 5, Code39, Code93, Code32, Codabar, Matrix 2 of 5, Industrial 25, IATA25, MSI Plessey, GSI DataBar, Plessey, Febraban.	

