

HUGEROCK T-SMART H72

RUGGED TABLET PC



7-inch Rugged Industrial Multi-functional Mobile Terminal



The Hugerock T-Smart H72 rugged tablet sets a new standard for robust design in extreme environments. It boasts a 7.0-inch, 2200-nit ultra-bright display with full viewing angles, protected by a 9H fully tempered capacitive touchscreen for flawless outdoor visibility. Engineered with a dual-color injection molding process and an aerospace-grade titanium alloy frame, the device delivers industry-leading protection. It easily withstands 1.8-meter drops and is fully compliant with MIL-STD-810H (Method 516.6/Procedure IV) military standards. Beyond its ultimate durability, the H72 offers superior performance, seamless functional integration, and flexible expansion options. Powered by a 10,000mAh intrinsically safe battery, it guarantees extended uptime to keep your critical operations running smoothly all day.



 5G All-mode Full Bands	 Android 16 GMS Certified	 10000mAh Removable Battery	 -31°C Cold Start
 WI-FI 6 BT 5.2 LE	 8GB RAM 256GB ROM 2TB TF Card Support	 1.8M MIL-STD-810H	 IP68 IP68 (IEC 60529)



Specification

Core Hardware Specifications	
Processor	MediaTek Kompanio 900T Octa-core Up to 2.6GHz 6nm process
Graphics	ARM G68 MC4
AI Performance	APU 3.0 (2.6T)
Memory	8GB LPDDR4 RAM
Storage	256GB UFS
Expandable Memory	Expandable via microSD (supports up to 2TB)
Cameras	Rear: 48MP Main (autofocus, LED flash) + 5MP Secondary (wide-angle) Front: 8MP Camera
Battery	10,000mAh removable battery
Display	7-inch AFFS/IPS panel 1080×1920 FHD resolution 2200 nits high-luminance (sunlight-readable)
Touchscreen	Capacitive touchscreen Glove-touch support Anti-fog coating Active stylus compatible

Interfaces & Sensors	
Card Slots	Nano-SIMx2 or (Nano-SIMx1 + microSDx1)
Power Interface	Type-C/4-pin magnetic connector
M8 Aero Head Interface Specifications	DC (12V=1.5A/RS232)
24-Pin Expansion Interface Specifications	DC Charging: 12V=1.5A, Serial Port: TTL Level, USB Host: Supported
Data Ports	Type-C (OTG) x1
Sensors	Gravity, geomagnetic, gyroscope, rotation vector, ambient light, accelerometer
Charger	5V 2A, 12V 1.5A,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

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
Water & Dust Resistance	IP68 (IEC 60529)
Operating Temperature	-31°C to 55°C
Storage Temperature	-40°C to 80°C
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/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 16 (GMS Certified)

Physical Characteristics	
Dimensions	213*126*22mm (L×W×H)
Weight	660g
Material	Black & gray PC-ABS-TPU composite

Packaging & Warranty	
Warranty	36-month device warranty (12-month battery warranty)
Package	Data cable x1,4-Pin magnetic charging cable x1, 24-pin magnetic charging cable x1, screen protector (applied) x1, packaging box x1, user manual x1, precautions card x1, hand strap x1

Order No.	Model	Function Dessment
05121203	T-Smart H72 (5G-M60)	HUGEROCK/H72-M60-R/8GB+256GB/Gray+Black/1080*1920/2200nits/NFC

MODULE SPECIFICATIONS

NFC Module		P/N: 01250227
Feature Overview	Integrated NFC module with standardized API interfaces, Supports card emulation for mobile payment and access control (e.g. bank card simulation).	
Operational Modes	Read/Write: Full read/write capability for NFC tag data storage and retrieval. Card Emulation: Simulates NFC cards for contactless payment systems and secure access control. Peer-to-Peer: Enables seamless data exchange between NFC-compatible devices.	
Performance	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.	

