

HUGEROCK T-SMART H72

RUGGED TABLET PC

HarmonyOS

Android

7-inch Rugged Industrial Multi-functional Mobile Terminal



The Hugerock T-Smart H72 series of rugged tablets from SOTEN, features an impressive and robust design. It is equipped with a 7.0-inch industrial-grade 2200 nits ultra-bright full-angle display and a fully tempered 9H strength capacitive touchscreen. The device is constructed using a dual-color one-shot molding process combined with an aerospace-grade titanium alloy frame, offering industry-leading industrial-grade protection capabilities. It can withstand falls from a height of up to 1.5 meters and complies with the military protection standard MIL-STD-810G/Method 516.6/Procedure IV. The product offers high functional integration, superior performance, high reliability, high adaptability, and flexible industrial-grade functional expansion. Additionally, it features a 10000mAh high-capacity intrinsically safe battery, providing extended battery life to support work more effectively.



All-mode
Full Bands



Android 15
(GMS) Certified



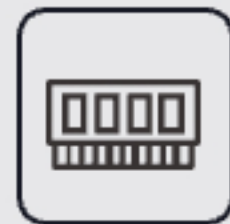
10000mAh
Removable Battery



1080*1920
2200nits
(Sunlight-Readable)



Wi-Fi 6
BT 5.2 LE



8GB RAM 256GB ROM
2TB TF Card Support



1.5M
MIL-STD-810G



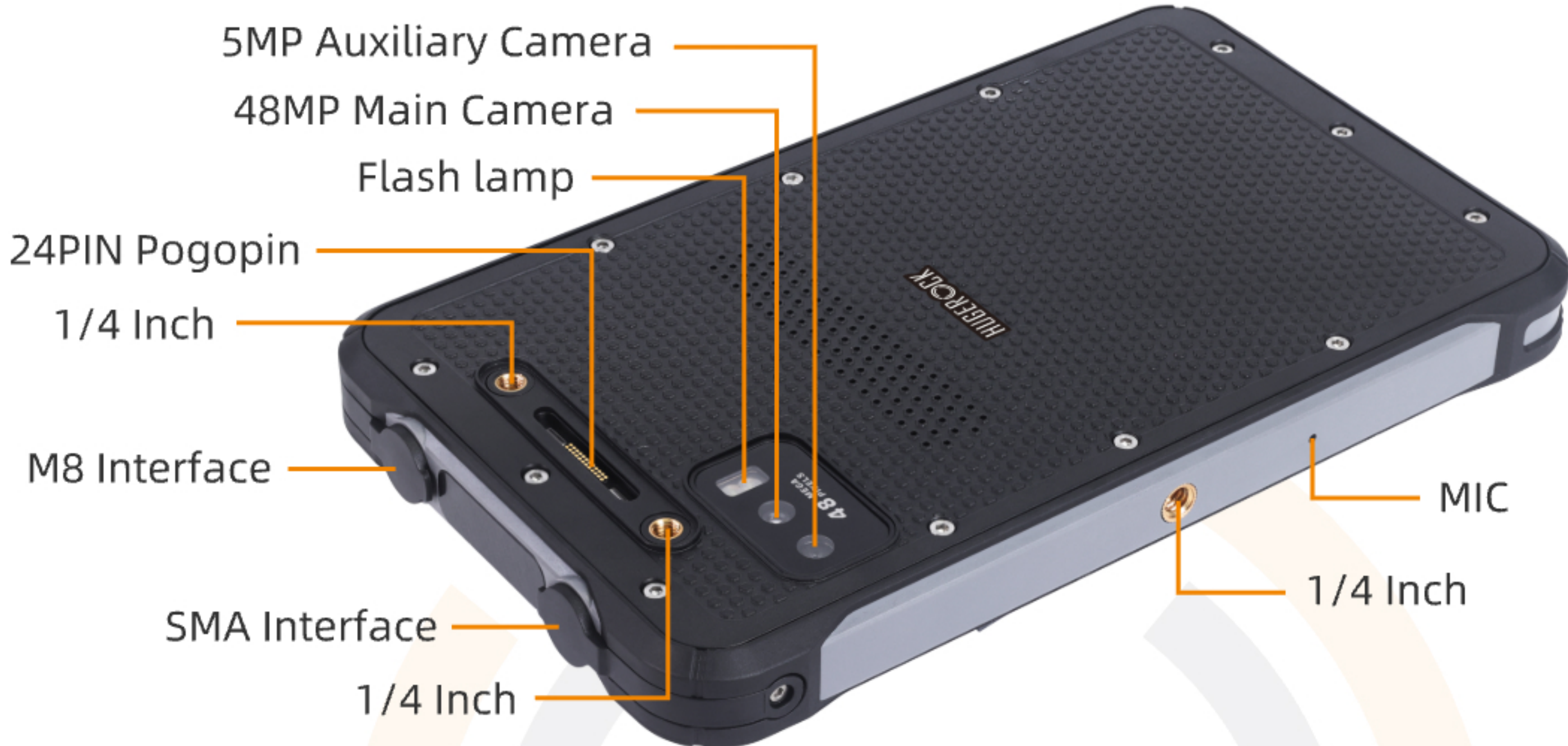
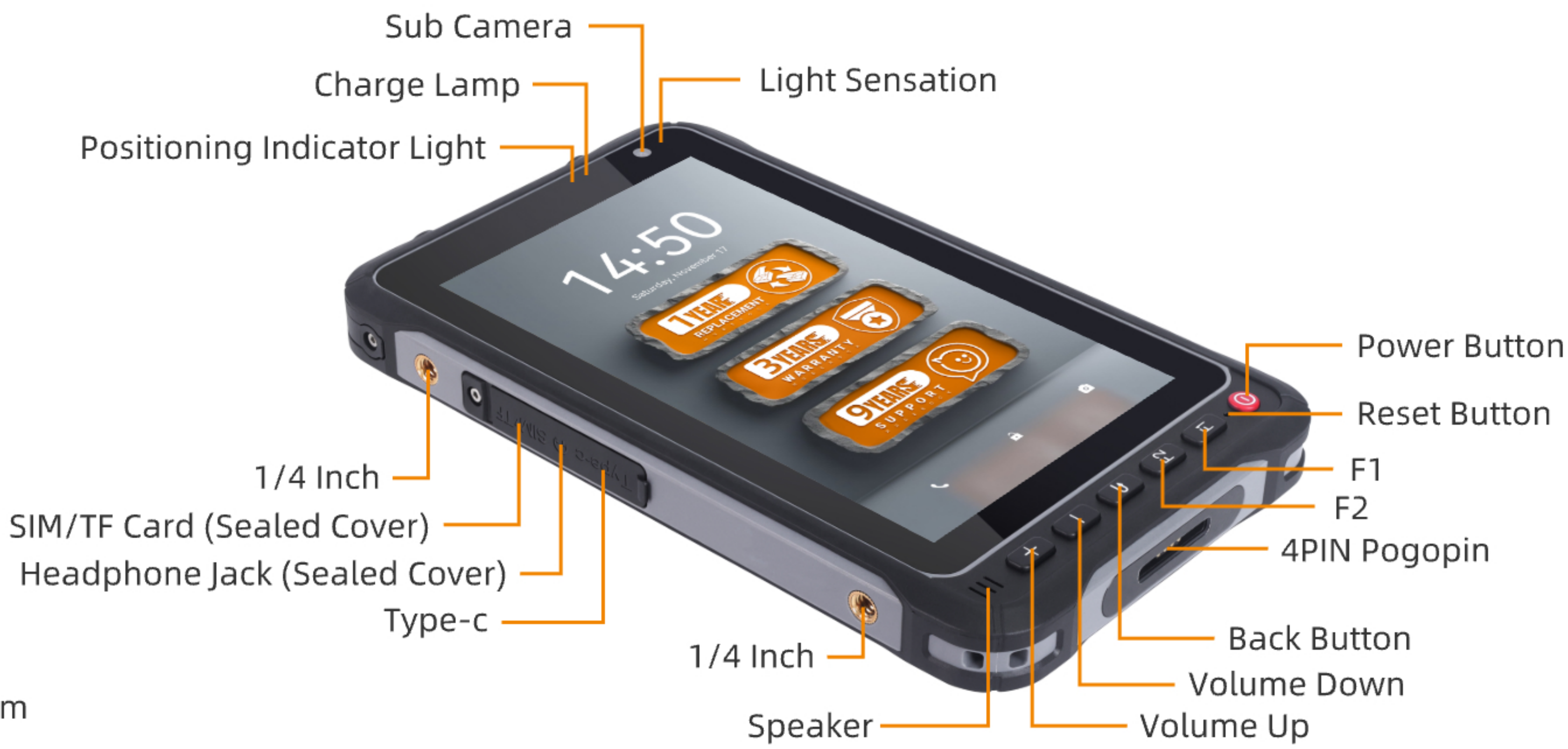
IP68
(IEC 60529)



126mm

213mm

22mm



SPECIFICATION

Core Hardware Specifications	
Processor*	MediaTek Kompanio 900T (MTK8791) Octa-core (8 cores) Up to 2.4GHz 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 Dual Camera: Main: 48MP with autofocus & electronic flash , Secondary: 5MP wide-angle lens Front: 8MP Front 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-SIM×2 or (Nano-SIM×1 + microSD×1)
Power Interface*	Type-C /4-pin magnetic connector/ 24-pin magnetic connector
Data Ports*	Type-C (OTG) ×1 /M8: RS232/24-pin magnetic connector
Sensors	Gravity, geomagnetic, gyroscope, rotation vector, ambient light, accelerometer
Charger	5V 2A, 12V1.5A,9V 2A, Support PD fast charge protocol
Navigation*	L1+L5 GPS/BeiDou/GLONASS/Galileo/QZSS with AGPS/SBAS support



HUGEROCK T-SMART H72

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-810 compliant (1.5m) IK05 impact protection
Water & Dust Resistance	IP68 (IEC 60529)
Operating Temperature	-20°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 15 (GMS) Certified

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

Packaging & Warranty	
Warranty	24-month device warranty (12-month battery warranty)
Package	Data cable x1,4Pin magnetic charging cable x1, 24-pin magnetic charging cable x1, screen protector (applied) x1, neutral customizable blister box (standard) x1, user manual x1, precautions card x1, Hand strap ×1

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

MODEL COMPARISON TABLE

HUGEROCK T-SMART H72

T-Smart H72 (5G-M60)		T-Smart H72 (4G-M50)	
Processor	MediaTek Kompanio 900T (MTK8791) Octa-core (8 cores) Up to 2.4GHz 6nm process	MediaTek Helio G99 (MTK8781) Octa-core (8 cores) Up to 2.2GHz 6nm process	
Graphics	ARM G68 MC4	Arm MaliTM-G57 @ 850 MHz	
AI Performance	APU 3.0 (2.6T)	/	
Memory	8GB LPDDR4 RAM	8GB LPDDR4 RAM	
Storage	256GB UFS	256GB UFS	
Power Interface	Type-C/4-pin magnetic connector/24-pin magnetic connector	Type-C/4-pin magnetic connector/24-pin magnetic connector	
Data Ports	Type-C (OTG) ×1 /M8: RS232/24-pin magnetic connector	Type-C (OTG) ×1 /M8: RS232/24-pin magnetic connector	
Navigation	L1+L5 GPS/BeiDou/GLONASS/Galileo/QZSS with AGPS/SBAS support	GPS/BeiDou/GLONASS/Galile/QZSS with AGPS/SBAS support	
Cellular	WCDMA/LTE-TDD/LTE-FDD/5G NR	GSM/WCDMA/VoLTE	
3G	WCDMA B1/B2/B5/B8 (42.2Mbps DL / 11.5Mbps UL)	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	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-13 DL	
5G	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	Dual-band Wi-Fi (2.4/5GHz, 802.11a/b/g/n/ac) BT 5.2 LE	
OS	Android 15 (GMS) Certified	Android 15 (GMS) Certified	

Order No.	Model	Function Description
05121203	T-Smart H72 (5G-M60)	HUGEROCK/H72-M60-R/8GB+256GB/Gray+Black/1080*1920/2200nits/NFC
05121204	T-Smart H72 (4G-M50)	HUGEROCK/H72-M50-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.	

