

# RUGGED DATA COLLECTOR HANDHELD VH-88AS



4G  
Mobile  
Device



MDM  
Mobile  
Device



Helio  
P60



RFID Tags  
within a



7200m  
Ah



Robust

## PRODUCT FEATURE:

The product has 3.1 inch FHD screen with 450nit, Sunlight readable, based on a MTK Helio P60 Octa-core processor and 4G communication technology, 7200mAh battery, the battery can be replaced continuously, Use Android system with GMS certification and support Safeuem MDM system. The product uses high-quality UHF RFID modules and antenna, Reading distance 10m. Standard configuration Barcode, NFC. The products can be applied to many application scenarios including Outdoor work, patrol inspection, warehouse inventory, logistics and express delivery, manufacturing, new retail of stores, asset management and so on, which can help enterprises improve their management level.

## SPECIFICATION:

Purchase code (product model)	VH-88AS
Hardware	
CPU	ARM Cortex A73 Octa-core (2.0GHz)
GPU	Arm Mali-G72 MP3
RAM	6GB

Internal Memory	64GB
External Memory	Micro SD card (T-FLASH card), max 1TB
Main Camera	13.0MP(AF) with flash led
Sub Camera	5.0MP
Battery	7200mAh (Replaceable battery)
Display	3.1inch HD display 720*720
Touch Panel	Capacitive

### IO/Sensor/Navigation

SIM Card	Micro SIM
TF Card	Micro SD card ( T-FLASH card), max 1TB
Data interface	8Pin magnetic charging with USB 2.0
Gravity Sensor	support
Magnetic Field Sensor	support
Motion Sensor	support
Gyroscope sensor	support
Light-sensor	support
Acceleration Sensor	support
Charger	5.0V 2A-10W
Navigation	GPS+Beidou+Glonass+AGPS+SBAS(EPO 2.5m)

### Appearance

Size	267*100*38mm (L×W×H)
Weight	488g
Color & Material	gray (Metal & ABS)

### Communications & Networking

Phone Call	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	TD-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
Bluetooth	5.0 Low Energy (LE)

### 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 )
Operating temperature	-20°C to 55°C
Storage Temperature	-40°C to 80°C
Reliability	MTBF>5000h; MTTR<0.5h
RH	5% to 95%
Operating Altitude	Max: 4,500 m (15,000 feet)

### Certification/OS/Software

Certification	3C/FCC/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 13 (Continuous updates)

**Package/Warranty terms**

Warranty	24 months
Package	Charger/Introduction Manual/Screen protector/Packing box/Magnetic Charging Cable/ Precautions Card

**NFC**

Protocol standard	ISO14443A/B,ISO15693, NFC
Label standard	M1(S50、S70)、CPU、NFC
Read-write distance	2-5cm

**UHF RFID**

Air interface protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
Operating spectrum range	902Mhz – 928Mhz 865MHz – 868MHz (可选)
Output range	0-33dbm
Output accuracy	+/- 1dB
Output power level	+/- 0.2dB, The label is sensitive and stable
Reading distance	>10m(E41 tag)

**Data Collection**

Scanning engine	E20 Barcode module
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.

**APPEARANCE:**

