



60°



K9D Datalogger

OEM 729 IMU+e-bubble Bluetooth NFC IP67

M8mini+

- New Generation Tilt IMU Survey, Free calibration
- 2 Watt RX/TX internal radio integrated, reach to 5--6KM
- OEM729 board/ 555 channels Supports GPS, GLONASS, GALIEO, BDS, SBAS
- Fieldgenius/ Surpad data collection software
- Dual power supply, 23 hours for static while 16 hours for RTK
- Alloy material design, small/ compact and durable shell in field working

Technical Specification

System Configuration

OS.....Linux
 Processor.....New high performance Cortex 400MHX processor
 Memory.....8GB Optional 16GB/32GB

GNSS technical specificatio

Motherboard type.....Compatible with multifrequency multi-satellite motherboards, BD970, NovAtel 729.

Tracking 555 channels (OEM729)

GPS.....L1 C/A,L1C,L2C,L2P,L5
 GLONASS.....L1 C/A,L2C,L2P,L3,L5
 BeiDou.....B1,B2,B3
 Galileo.....E1,E5 AltBOC, E5a,E5b,E6
 IRNSS.....L5
 SBAS.....L1,L5
 QZSS.....L1 C/A,L1C,L2C,L5,L6
 L-Band

Positioning accuracy

RTK
 horizontal..... $\pm(8\text{mm} + 1 \times 10^{-6}D)$
 vertical..... $\pm(15\text{mm} + 1 \times 10^{-6}D)$
 Static
 horizontal..... $\pm(2.5\text{mm} + 1 \times 10^{-6}D)$
 vertical..... $\pm(5\text{mm} + 1 \times 10^{-6}D)$
 Output rate.....1HZ in default,support up to 20HZ

Communication specification

Bluetooth.....Dual-mode Bluetooth 4.0,compatible with Bluetooth2.1,2.4GHz
 Radio.....2Watt internal module. EOT, TT450 ect.
 NFC

Port allocation

LED indicator.....Power LED,satellites LED, communication LED
 keys.....Power kerx1,function keyx1
 I/O Interface.....Power port×1,USB,RS232 serial , debug port

Power supply

Battery.....11.1v/3,400mAh

Physical specification

Size.....80mm*130mm
 Weight.....790g

Working circumstance

Working Temperature.....-45°C~+65°C
 Storage Temperature.....-55°C~+85°C
 Water/dust proof.....IP67