



K9D Controller

Full constellation IMU+e-bubble Bluetooth WIFI IP67

M8mini+

- New Generation Tilt IMU Survey, Free calibration
- 2 Watt RX/TX internal radio integrated, reach to 5--6KM
- Supports GPS, GLONASS, GALIEO, BDS, SBAS
- Surpro data software, compatible with Surpad and Fieldgenius software
- Dual power supply, 23 hours for static while 16 hours for RTK
- WEB UI function, More convenient to configure

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, UB4B0M, NovAtel 729.

Tracking 432 channels (UB4BOM)

GPS.....L1,L2,L5
 GLONASS.....L1,L2
 BDS.....B1,B2,B3
 GALILEO.....E1,E5a,E5b
 QZSS.....L1,L2,L5
 SBAS.....L1,L5
 Data format.....NMEA-0183

Positioning accuracy

RTK
 horizontal..... $\pm(8\text{mm} + 1 \times 10^{-6}\text{D})$
 vertical..... $\pm(15\text{mm} + 1 \times 10^{-6}\text{D})$
 Static
 horizontal..... $\pm(2.5\text{mm} + 1 \times 10^{-6}\text{D})$
 vertical..... $\pm(5\text{mm} + 1 \times 10^{-6}\text{D})$
 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. TrimTalk, TrimMark3, SOUTH, PC-EOT
 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..... $-45^{\circ}\text{C} \sim +65^{\circ}\text{C}$
 Storage Temperature..... $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
 Water/dust proof.....IP67