

FieldBee L2 RTK GNSS Base station

Datasheet

BENEFITS

- Multi-constellation type: GPS+GLONASS+Galileo+BeiDou;
- Wireless interfaces: WiFi and Radio;
- Regular firmware upgrades;
- Remote support.

GNSS

- RTK Base station;
- Multi Constellation types;
- 184 channel GNSS engine;
- GPS L1C/A L2C, GLO L1OF L2OF, GAL E1B/C E5b, BDS B1I B2I, QZSS L1C/A L2C;
- Update Rate:
 - RTCM 3.3 1Hz;
- Protocols:
 - RTCM V 3.3 (1005, 1074, 1084, 1094, 1124, 1230);
 - NTRIP v1.0

PRECISION

- Static mode. Absolute reference positioning based known coordinates;
- Survey mode. Relative reference positioning;
- Time to first fix: 1s average open sky hot start;
- Reference position for 20km distance to rover over the Internet;
- Reference position for 2.5 km distance to rover over radio.

MECHANICAL

- 152mm X 70mm;
- Weight 400g;
- Operating temperature: -20.. +65 C;
- Storage: -40.. +80 C;
- Waterproof -IP 67;
- RoHS compliant, CE compliant.

POWER

- 9-36v, 4W power consumption;
- Up to 8h autonomous work, rechargeable battery(-s) 18650.

INTERFACES

- WiFi 2.4Ghz;
- RS232 (115200);
- LoRa 868/915 Mhz 2.5 km open air.