

The **FieldBee L2** is GNSS RTK L1/L2 base station in a single rugged housing. It provides a reference position for RTK solutions up to 20 km distances over the internet and to 2.5 km over the radio channel. It supports RTCM v3.3 correction protocol.

Benefits :

- Multi-constellation type
GPS+GLONASS+Galileo+BeiDou;
- Wireless interfaces LoRa/WiFi/Bluetooth;
- Regularly Upgrades;
- Support.

GNSS :

- RTK Base station;
- Multi Constellation types;
- 184 channels GNSS engine;
- GPS L1C/A L2C, GLO L10F L20F, GAL E1B/C E5b, BDS B1I B2I, QZSS L1C/A L2C;
- Update Rate
 - RTCM 3.3 1Hz;
- Protocol
 - RTCM V 3.3 (1004, 1005, 1077, 1087, 1097, 1127, 1230).
 - NTRIP v1.0

Precision :

- Static mode. Absolute reference positioning based known coordinates;
- Survey mode. Relative reference positioning;
- Time to First Fix 1 second hot start under open sky (average);
- Reference position for 20km distance to rover over Internet;
- Reference position for 2.5 km distance to rover over the radio.

Mechanical :



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

Power :

- 9-36v, 4W power consumption;
- Optional - 8 h autonomous work, varies with temperature, Replaceable battery 18650x2.

Interfaces :

- WiFi 2.4Ghz;
- RS232 - 12V (19200..115200);
- Optional - Bluetooth 2.1 SPP;
- Optional - LoRa 868/915 Mhz 2.5 km open air.