



RTCM Reference Station

Datasheet

Provides corrections on satellite position, code/phase biases, clock errors and atmospheric delays to enable precise RTK/PPP positioning

Key Features:

- **Enables highly precise RTK-Positioning with (1σ):**
Horizontal accuracy: 0.015 m + 1 ppm
Vertical accuracy: 0.030 m + 1 ppm
- **Correction-data for all constellations:**
GPS (L1C/A, L2C),
GLO (L1OF, L2OF),
GAL (E1B/C, E5b),
BDS (B1I, B2I),
QZSS (L1C/A, L2C)
- **Barometer-data:**
Using differential barometric data in combination with ANavS MSRTK module for faster convergence of RTK solution and for meteorological information
- **NTRIP Server/Caster:**
Using NTRIP as the industrial standard way of transferring GNSS corrections via Internet

Specifications:

- **Data:**
Output format: RTCM3
Output messages: 1002,1010,1005,1006,1019, 1020,1045,1097
Output rate: 1Hz - 5Hz
- **Connectivity**
Wi-Fi: 802.11a/b/g/n
Mobile network (LTE)
- **Electrical**
Power-Supply: 230V power plug
Optional: solar power
- **Mechanical:**
Size: 225 x 165 x 55 mm
Weight: 300g
Operating Temp.: -20° - +65°
Ingress protection: IP54 (water and dustproof)

