

GNSS

- 220 channels with all in view simultaneously tracked satellite signals
 - GPS: L1C/A, L1C, L2C, L2E, L5
 - GLONASS: L1C/A, L1P, L2C/A, L2P, L3
 - 伽利略: E1, E5A, E5B
 - 北斗: B1, B2
 - SBAS: L1C/A, L5 (QZSS, WAAS, EGNOS, GAGAN)

GNSS精度⁽¹⁾

- 網路RTK:
 - 水平: 8 mm + 0.5 ppm RMS
 - 垂直: 15 mm + 0.5 ppm RMS
 - 初始化時間: < 10 s
 - 可靠度: > 99.9%
- Real Time Kinematics (RTK):
 - 水平: 8 mm + 1 ppm RMS
 - 垂直: 15 mm + 1 ppm RMS
 - 初始化時間: < 5 s
 - 可靠度: > 99.9%
- Post-processed Kinematic (PPK):
 - 水平: 8 mm + 1 ppm RMS
 - 垂直: 15 mm + 1 ppm RMS
- 高精度靜態:
 - 水平: 2.5 mm + 0.5 ppm RMS
 - 垂直: 3.5 mm + 0.5 ppm RMS
- SBAS: 0.5 m RMS

硬體

- 體積(高 × 寬): 83 mm × 127 mm
- 重量: 0.93 kg
1.04 kg (含電池)
- 作業環境
 - 作業溫度: -40°C 65 °C
 - 存儲溫度: -40°C 85 °C
- 濕度: 100%
- 防水防塵等級: IP67
- 撞擊測試: 可承受2.0米高度墜落到水泥地面, MIL-STD-810G, Method 514.7
- 偏移量:
 - 電子氣泡
 - 傾斜補償⁽²⁾

通訊及數據

- 網路模組: 內建整合式3.75G上網模組
 - HSPA+ 21 Mbps (下載), 5.76 Mbps (上傳)
 - WCDMA 850/900/1700/1900/2100
 - EDGE/GPRS/GSM 850/900/1800/1900
- WiFi: 802.11 b/g/n, access point mode
- 藍芽®: 內建整合多模式系統、適用Android、Windows Mobile、Windows desktop作業系統
- Serial: 2 x 7pin LEMO port (外接電源, USB數據下載、上傳, RS-232)
- 外接電源: 12 V DC ~ 36 V DC

電源

- 耗電量: 3.2 W (依使用者設定遞變)
- 鋰電池: 3400 mAh, 7.4 V
- 作業時間⁽³⁾: RTK Rover模式最高可達6小時
- 外接電源: 12 V DC ~ 36 V DC

(1) Accuracy and reliability specifications may be affected by multipath, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices. (2) Accuracy of tilt compensator varies with operating environment and electromagnetic pollution. (3) Operating time varies based on temperature.

Specifications are subject to change without notice.



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