

archer⁴

GNSS Expansion Pod



RTK ENABLED GNSS POD

COMPATIBILITY

- Android™ 14 (up to Android™ 18)
- Archer Connect™ software provides configuration, communication setup, and receiver settings

RECEIVER

- Receiver Type: Multi-frequency GNSS high precision receiver
- Signals: GPS: L1C/A, L2C, GLONASS: L1OF, L2OF, GALILEO: E1B/C, E5b, BeiDou: B1I, B2I, QZSS: L1C/A, L2C
- Channels: 184
- Corrections: SBAS¹, SLAS, RTK
- Update Rate: 1Hz, 2Hz, 5Hz, 10Hz

ACCURACY

- RTK² to centimeter accuracy²
- Horizontal position accuracy (RMS) (SBAS: <1.0 m, RTK: 1.5 cm +1ppm)
- Cold Start: <30 seconds (no almanac)

JUNIPER RUGGED™

- IP68 waterproof & dustproof
- Operating & Storage Temperature(°C): -20/60

RECEIVER PROTOCOLS

- Data I/O Protocol: NMEA-0183 v4.11, UBX binary (proprietary)
- Correction I/O Protocol: RTCM v.3

POWER

- Device-powered, Archer4 Removable Li-ion Battery (SBAS: 12hrs³, RTK: 8hrs³)

ANTENNA

- Quadrifilar Helical L1/L2

COMMUNICATIONS

- USB

POD DIMENSIONS

- 102 mm × 42 mm × 33.5 mm (4.02 in × 1.65 in × 1.32 in)
- 42 grams (1.48oz)

INCLUDED ACCESSORIES

- Torx T6 Screwdriver
- Torx T6 screws (2)



1. Ability to enable SBAS Test Mode to allow SBAS signals in early phases
2. GNSS accuracy subject to observation conditions, multipath environment, numbers of satellites in view, satellite geometry, and ionospheric activity.
3. These times are based on use with the 8300mAh battery, which is strongly recommended for GNSS work.