



موسسات القياس

موسسات القياس: المعهد الوطني للمعايير والتقنية (NIST) في الولايات المتحدة الأمريكية.

الرقم المرجعي: (IUL)389/389/2024/7

GNSS Receiver Specification

GNSS Receiver shall include Base + Rover or Net Rover (CORS correction).

- Key features:
 - 1408 channels
 - GPS, GLONASS, Galileo, BeiDou, SBAS, QZSS
 - 8 mm horizontal and 15 mm vertical accuracy on RTK
 - 3 mm horizontal and 5 mm vertical accuracy on PPK
 - 2.5 mm horizontal and 5 mm vertical accuracy on post-processing static
 - Less than 1 second signal re-acquisition
 - Less than 45 seconds time to fix from a cold start
 - 200 Hz IMU with 30-degree tilt
- Hardware
 - Lightweight- less than 1200 g
 - Operates at temperature up to 65 Degrees Celsius and 100% humidity
 - IP67 water and dust resistant
 - Calibration-free IMU for pole tilt compensation.
 - Immune to magnetic disturbance
 - E-bubble levelling
- Communication
 - sim card with integrated 4G modem
 - Wi-Fi with internet sharing over access point mode
 - Bluetooth
 - UHF antenna support for RTK correction over radio
 - RS-232 port
 - USB type-c
 - All modern data formats supported
 - NMEA out via Bluetooth, Wi-Fi and RS-232

Rugged field Controller Specifications:

- System
 - OS Android 10
 - MicroSD expansion
 - Keypad with touch screen
- Hardware
 - Light weight less than 500 g
 - IP67 dust and water resistant
 - IPS LTPS LCD capacitive multitouch panel
 - Nano-sim Card with 4G modem
 - Wi-Fi 5 and Bluetooth 5
 - NFC
 - USB type-c with OTG
 - More than 10 h of continuous use
 - Camera, G-sensor, Gyroscope, E-compass, Light sensor,

