

simpleGNSS Pro

simpleGNSS is a standalone board that allows to evaluate sub-meter dual band (L1/L5) GNSS positioning technology including accurate



SKU: AS-GNSS-F10N-L1L5-NH

Dimensions: 69x53mm

Key features

- Sub meter level precision
 - <1.5m in standalone mode
 - <0.9m standalone with SBAS coverage
- Based on u-blox NEO-F10N module
- This product doesn't do RTK
- Update rate:
 - Default: 1Hz
 - With maximum performance: up to 8Hz
 - With reduced performance: up to 10Hz
- Start-up times:
 - First position fix: 27 seconds (cold), 2 seconds (hot)

Mechanical

- Weight: 21g (without radio)
- Serial interfaces 1 UART, 1 USB
- Protocols NMEA, UBX binary

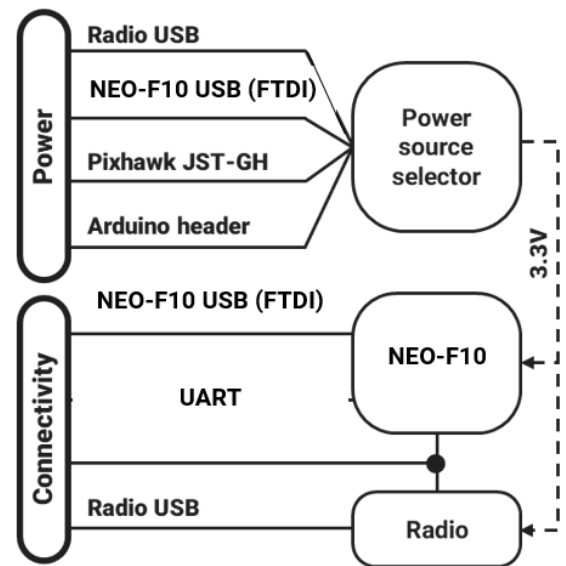
Electrical

- Supply voltage 5V
- Power consumption 19 mA @ 5.0 V
- Multi band: L1, L5 support
- Multi constellation
 - GPS: L1C/A L5
 - GLONASS: L1OF
 - Galileo: E1-B/C E5a
 - BeiDou: B1C B2I
 - NavIC: SPS-L5
 - QZSS: L1Sb
 - SBAS: WAAS, EGNOS, MSAS, GAGAN and SouthPan

Environmental

- Operating temperature: -40°C~+85°C
- Environmentally friendly: ROHS Compliant

Functional schematic diagram



Mouser Electronics

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