

Features:

- Two antenna inputs with SMA connectors
- USB C connector
- Green Time pulse LED, purple Power LED, red LED (GPIO1), orange LED (GPIO2)
- RxTools Control and Analysis Software
- Extensive visualization and evaluation features
- Dimensions 85x30x15 mm
- Weight: 20 gr.
- Fully assembled, tested and ready to use

Reference: ELT0772



MODULE FEATURES

789 hardware channels for simultaneous tracking of all visible supported satellite signals

5 constellations RTK engine (rover) and advanced RTK technology

Full raw measurement data

AIM+: Industry leading Anti-jamming, Anti-spoofing Interference Monitoring and Mitigation

IONO+: Advanced protection against ionospheric disturbances to GNSS signals

APME+: a posteriori multipath estimator for code and phase multipath mitigation

LOCK+: superior tracking robustness under heavy mechanical shocks or vibration

RAIM+: Advanced Receiver Autonomous Integrity Monitoring

22.8 x 16.4 x 2.4 mm LGA package

PERFORMANCE

Frequency: GPS: L1C/A, L1C, L2C, L2P(Y), L5
GLONASS: L1CA, L2CA, L2P, L3 CDMA
Beidou: B1I, B1C, B2a, B2I, B2b, B3I
Galileo: E1, E5a, E5b, E6
QZSS: L1C/A, L1C/B, L2C, L5, L6*
* L6 support and Galileo HAS support will be rolled out via software update

Single point positioning (RMS): Horizontal: 1.2 m
Vertical: 1.9 m
Time Precision(xPPS out) - 1.4 ns
Event accuracy < 3 ns
Cold start < 35 s
Data Update Rate: 20 Hz

DGPS (RMS): Horizontal: 0.4 m
Vertical: 0.7 m
Data Update Rate: 20 Hz
Differential Data - RTCM V2.X

RTK (RMS): Horizontal: 0.6 cm + 0.5 ppm
Vertical: 1cm + 1 ppm
Initialization Time: 7 s
Data Update Rate: 20 Hz
Differential Data - RTCM V3.X (MSM included)
Data Format - NMEA-0183, v2.3, v3.03, v4.0, RINEX v2.x, v3.x, Septentrio Binary Format (SBF), RTCM V3.X (MSM included)

OTHER FEATURES

Physical Characteristics: Packaging: 94 pin LGA
Dimension: 22.8 x 16.4 x 2.4 mm
Weight: 2.2g

Environmental Specifications: Working temperature: -40 °C ~ +85 °C
Storage temperature: -55 °C ~ +85 °C
Humidity: 5% ~ 95% No condensation
Vibration: IEC 60721-3-5 Profile 5M3, MIL-STD-810H 514.8 Category 4, MIL-STD-810H 516.8 Procedure 1

Communication Interfaces: 2 x UART (LVTTTL, up to 4Mbps, one with hardware flow control)
1 x USB (2.0, HS up to 480Mbps)
2 x Event inputs
2 x GPIO
2 x PPS out