Features:

- Two antenna inputs with SMA or IPEX connectors
- USB C connector
- 2 x UART with hardware flow control interface on JST connector
- EVENTA, EVENTB external event inputs on JST connector
- PPS output on JST connector
- SD card for data logging
- Time pulse LED, Power LED, RTK LED, Geofence LED
- RxTools Control and Analysis Software
- Extensive visualization and evaluation features
- Dimensions: 34x52 mm
- Weight: 15 gr
- Fully assembled and ready to use

Reference: ELT0713

GNSS FEATURES

Supports all-constellation multi-frequency on-chip RTK positioning and dual-antenna heading solution

Supports GPS L1/L2, BDS B1I/B2I/B3I, GLONASS G1/G2, Galileo E1/E5b and QZSS L1/L2

All-system multi-frequency RTK engine and advanced RTK technology

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

IONO+: Advanced protection against ionospheric disturbances to GNSS signals

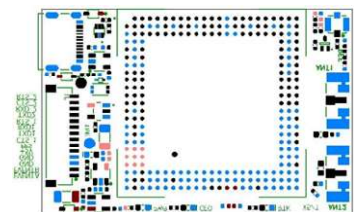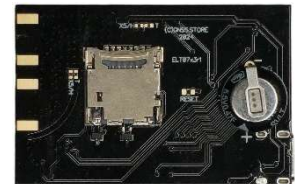APME+: a posteriori multipath estimator for code and phase multipath mitigation

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

RAIM+: Advanced Receiver Autonomous Integrity Monitoring

PERFORMANCE

Frequency:	GPS L1C/A/L2P (Y)/L2C BDS B1I/B2I/B3I GLONASS G1/G2 Galileo E1/E5b QZSS L1C/A, L1C/B, L2C
Single point positioning (RMS):	Horizontal: 1.2 m Vertical: 1.9 m Time Precision(xPPS out) - 5 ns Data Update Rate: 100 Hz
DGPS (RMS):	Horizontal: 0.4 m Vertical: 0.7 m Cold start < 45 s Initialization Time < 1 s (typical) Data Update Rate: 50 Hz
RTK (RMS):	Horizontal: 0.6 cm + 0.5 ppm Vertical: 1cm + 1 ppm Data Update Rate: 20 Hz Differential Data - RTCM V2.x, V3.X (MSM included), CMR v2.0/CMR+ (input only) Data Format - NMEA-0183, v2.3, v3.03, v4.0, RINEX v2.x, v3.x, Septentrio Binary Format (SBF)

OTHER FEATURES

Physical Characteristics:	Packaging: 239 pin LGA Dimension: 31.0 × 31.0 × 4.2 mm Weight: 6.8g
Environmental Specifications:	Working temperature: -40 °C ~ +85 °C Storage temperature: -55 °C ~ +85°C Humidity: 95% No condensation Vibration: MIL-STD-810G
Communication Interfaces:	4 × UART (3 with hardware flow control) 1 × USB (2.0, HS) 1 × Ethernet (RMII/MDIO), 10/100 Mbps 1 x SD memory card 2 x Event inputs 2 x GPIO 1 x PPS out