Features:

- On-board low noise 3.3V voltage regulator and RF filter for noise blocking
- USB, I2C, SPI and UART (Tx, Rx) RAW sensor data out
- Support active antenna
- u-center Evaluation Software
- Time pulse LED 1
- Supercapacitor for HOT module start
- Wire Pad for external backup battery
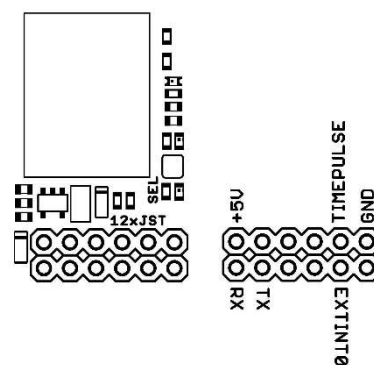- Dimensions: 32x19mm
- Weight: 2.5 gr.

Reference: ELT0395

GNSS FEATURES	
Receiver type	92-channel u-blox M9 engine GPS L1 C/A, QZSS L1 C/A/S, GLONASS L10F, Beidou B1I, Galileo E1B/C, SBAS L1 C/A: WAAS, EGNOS, MSAS, GAGAN
GNSS platform	Concurrent GNSS
Oscillators	TCXO

PERFORMANCE			
Position accuracy (GPS+GLO+GAL+BDS)	1.5 m CEP (with SBAS)		
Attitude accuracy (GPS)	3.0 m CEP (with SBAS)		
Position error during GNSS loss	3D Gyro + 3D Accel + Wheel Ticks 2% 3D Gyro + 3D Accel 10%		
Max nav. update rate	50 Hz		
Nav update rate (PVT)	5 Hz		
Navigation latency	15 ms		
Max sensor output rate	100 Hz		
Acquisition	Cold start	Hot start	Aided start
GPS+GLO+GAL+BDS	24 s	2 s	3 s
GPS+GLO	25 s	2 s	2 s
BDS+GLO	28 s	2 s	3 s
Velocity accuracy	0.08 m/s		
Dynamic attitude accuracy	Heading 0.3 deg Pitch 0.4 deg Roll 0.6 deg		
Sensitivity: Tracking and Navigation Reacquisition Cold start Hot start	-159 dBm -158 dBm -147 dBm -159 dBm		

OTHER FEATURES	
Anti-jamming	Additional SAW filter and LNA, jamming detection and reporting
Anti-spoofing	Spoofing detection and reporting
Memory	Flash
Operating temperature	0 °C to +50 °C
Supply voltage	4.5 V to 5.5 V
Supply current	<45 mA (without external antenna)
External antenna requirements	Supply voltage 3.0 V Consumption current <50 mA