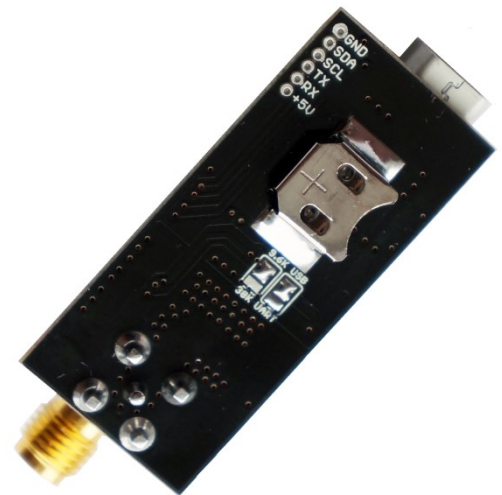
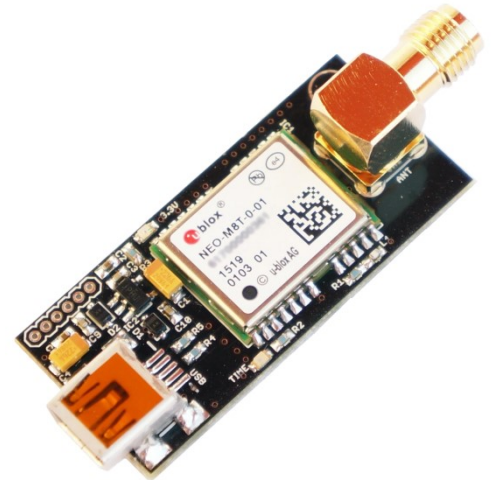


Features:

- On-board low noise 3.3 V voltage regulator and RF filter for noise blocking
- **USB, I2C** (SDA, SCL) and **UART** (Tx, Rx) **RAW** data available
- **SMA** active antenna connector
- **Mini USB** connector
- Time pulse LED, Power LED
- u-center Evaluation Software
- Extensive visualization and evaluation features
- Battery holder for 3 V type 621 Lithium battery
- Dimensions: **40x18 mm**
- Weight: **8.1 gr.**

Reference: ELT0032



GNSS FEATURES

Receiver type	72-channel u-blox M8 engine GPS/QZSS L1 C/A, GLONASS L10F, Beidou B1I, Galileo E1B/C, SBAS L1 C/A: WAAS, EGNOS, MSAS, GAGAN
GNSS platform	Concurrent GNSS
GNSS bands	L1C/A, L10F, E1-B/C, B1I
Oscillators	TCXO

PERFORMANCE

Position accuracy	2.0 m CEP (with SBAS)				
	2.5 m CEP (without SBAS)				
Acquisition	Cold start	Hot start	Aided start	Nav.update rate	
				GPS+GLONASS	26 s 1 s 2 s 5 Hz
				GPS	29 s 1 s 2 s 10 Hz
				GLONASS	30 s 1 s 2 s 10 Hz
				Beidou	34 s 1 s 3 s 10 Hz
Galileo	45 s 1 s 7 s 10 Hz				
Velocity accuracy	0.05 m/s				
Dynamic heading accuracy	0.3 deg				
Sensitivity (GPS+GLO):					
Tracking and Navigation	-167 dBm				
Reacquisition	-160 dBm				
Cold start	-148 dBm				
Hot start	-157 dBm				

OTHER FEATURES

Anti-jamming	Additional SAW filter and LNA		
Anti-spoofing	Spoofing detection		
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	