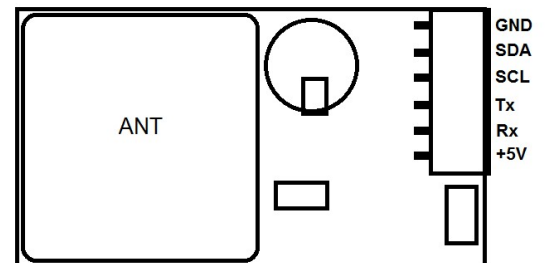


Features:

- On-board low noise 3.3 V voltage regulator and RF filter for noise blocking
- **I2C** (SDA, SCL) and **UART** (Tx, Rx) interfaces
- Build-in active GPS antenna
- 6 pin JST SH connector
- Time pulse LED
- u-center Evaluation Software
- Extensive visualization and evaluation features
- Backup supercapacitor
- Dimensions: **30x16 mm**
- Weight: **7.5 gr.**

Reference: ELT0136



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
GPS	29 s	1 s	2 s	18 Hz
GLONASS	30 s	1 s	2 s	18 Hz
Beidou	34 s	1 s	3 s	18 Hz
Galileo	45 s	1 s	7 s	18 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	Active CW detection and removal
Anti-spoofing	Spoofing detection
Memory	Onboard ROM
Operating temperature	0 °C to +50 °C
Supply voltage	4.5 V to 5.5 V
Supply current	<45 mA