

## Features:

- On-board low noise 3.3 V voltage regulator
- **USB** interface with **type A** connector
- **SMA** active antenna connector
- u-center GPS evaluation software
- Extensive visualization and evaluation features
- Backup supercapacitor
- Dimensions with connectors: **75x25x13 mm**
- Weight: **16.5 gr.**

Reference: **ELT0084**



### 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	