



Features:

- On board low noise 3.3 V voltage regulator
- **USB C** waterproof connector
- **SMA** active antenna connector
- u-center GPS evaluation software
- Extensive visualization and evaluation features
- Time pulse LED, Power LED
- Backup supercapacitor
- Dimensions: Ø40x12 mm without SMA
- Weight 15 gram
- Additional magnet mount
- Waterproof 3M double sided tape for mounting

Reference: **ELT0155**



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
GNSS bands	L1C/A, L10F, E1-B/C, B1I
Oscillators	TCXO

PERFORMANCE

Position accuracy	1.5 m CEP (with SBAS) 2.0 m CEP (without SBAS)		
Acquisition	Cold start	Hot/Aided start	Nav. update rate
GPS+GLO+GAL+BDS	24 s	2 s	25 Hz
GPS+GLO+GAL	25 s	2 s	25 Hz
GPS+GLO	26 s	2 s	25 Hz
GPS+BDS	28 s	2 s	25 Hz
GPS+GAL	29 s	2 s	25 Hz
GPS	29 s	2 s	25 Hz
GLONASS	27 s	2 s	25 Hz
Beidou	32 s	2 s	25 Hz
Galileo	42 s	5 s	25 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	-159 dBm		

OTHER FEATURES

Anti-jamming	Active CW detection and reporting Active GNSS in-band filtering
Anti-spoofing	Spoofing detection and reporting
Security	Secure firmware update Message integrity
Memory	Flash
Data batching	Autonomous tracking up to 5 min, data logger
Operating temperature	0 °C to +50 °C
Supply voltage	4.5 V to 5.5 V
Supply current	<100 mA (without external antenna)
External antenna requirements	Supply voltage 3.0 V Consumption current <50 mA