

ZED-F9T-10E

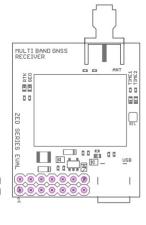
L1/L5/E5a 5G Network Synchronization InCase PIN high accuracy timing module with SMA and USB

Features: Reference: ELT0145

- On board low noise 3.3 V voltage regulator
- USB, I2C (SDA, SCL), SPI and two UART (Tx, Rx) interfaces
- Mini USB connector
- 14 pin holes connector
- SMA active antenna connector
- · u-center Evaluation Software
- · Extensive visualization and evaluation features
- Two time pulse LED, GEO LED, RTK LED
- Backup supercapacitor
- Dimensions: 36x30 mm without SMA
- Weight: 11 gr.







184-channel u-blox F9 engine Beidou, Galileo, GLONASS, GPS/QZSS, NavIC
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Concurrent GNSS
L1C/A, L1OF, E1-B/C, B1I, B1C, L5, E5a, B2a, SPS-L5
TCXO

PERFORMANCE		
Accuracy of time pulse signal	Absolute timing mode 5 ns Differential timing mode 2.5 ns	
Frequency of time pulse	0.25 Hz to 25 MHz configurable	
Time pulse jitter	±4 ns	
Time mark resolution	8 ns	
Velocity accuracy	0.05 m/s	
Dynamic heading	0.3 deg	
accuracy	-	
Acquisition GPS+GLO+GAL+BDS GPS+BDS+GAL GPS+GAL GPS+GLO GPS+BDS GPS Horizontal position	Cold start Hot start Aided start update rate 24 s 2 s 2 s 8 Hz 25 s 2 s 10 Hz 29 s 2 s 2 s 15 Hz 26 s 2 s 2 s 12 Hz 29 s 2 s 2 s 2 s 12 Hz 29 s 2 s 2 s 2 s 20 Hz 1.5 m CEP	
accuracy Sensitivity: Tracking and Navigation Reacquisition Cold start Hot start	-167 dBm -160 dBm -148 dBm -157 dBm	

OTHER FEATURES	
Anti-jamming	Active CW detection and removal Dual band onboard pass filter
Anti-spoofing	Advanced anti-spoofing algorithms
Security	Secure boot
	Secure firmware update
Memory	Flash
RAW data support	Carrier phase, code phase and pseudo-range, Doppler on all signals
Operating	0 °C to +50 °C
temperature	
Supply voltage	4.5 V to 5.5 V
Supply current	<130 mA (without external antenna)
External antenna	Supply voltage 3.0 V
requirements	Consumption current <50 mA