Positioning Universal

FT7500

In-Cab Advanced Telematics Tracker with Cat 4 and WiFi Hotspot
* Now supporting AI Powered Video Telematics

The FT7500 is one of our most feature rich enterprise grade fleet tracking devices. It has high-speed WiFi hotspot, a wide range of input and output capabilities, dual CAN interface light and heavy duty vehicle support, and Bluetooth Low Energy.

Advanced firmware features

– High frequency / live tracking
– Driver behavior analysis
– Electronic Logging Device (ELD) support
– Advanced Ignition and tow/tamper detection
– Enterprise grade security

High-Speed Global LTE Cat 4 with 3G Fallback

FT7500 Specs

Dimensions	7.3" x 3.23" x 1.22" (184mm x 82mm x 31mm)
Weight	0.63lb (0.28kg)
Location	GPS (multi-constellation) Assisted acquisition: 2s (via cloud) Acquisition Sensitivity: -160dBm (1*) Tracking Sensitivity: -167dBm (2*)
Internal Sensors	9-axis IMU, System temperature, Battery level
Internal Antennas	Cellular primary and secondary GPS, Bluetooth, WiFi
External Connectors	Cellular primary GPS USB Power in (6-48VDC) Power out (20W) *1-Wire* technology (3*) ADC (48V) x 2 Digital Input x4 programmable bias Digital Output x 3 Ignition Input CAN 2.0B x1 (ISO-15765 or J1939) CAN 2.0B or FD x1 (ISO-15765 or J1939) RS-232 x2 ISO-9141 J1708

Battery	1.3Ah
User Interface	Power button, 5 LEDs, Buzzer
Global Cellular Connectivity	CAT4: FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/ B18/B19/B20/B25/B26/B28 TDD: B38/B39/B40/B41 3G: WCDMA B1/B2/B4/B5/B6/B8/B19 2G: GSM 850/900/1800/1900 MHz
Local Area Connectivity	WiFi: 802.11 b/g/n/ac 2.4GHz + 5GHz BLE: 5.0 (master, slave, LE data packet length) USB: mass storage (host), ACCM (client)
Operating Temperature	Powered: -40˚C – C 70˚C Battery: -20˚C – C 60˚C Charging: 0˚C – 45˚C
Housing	Industrial grade Polycarbonate (PC) Ingress Protection (IP): 4X
Security	Secure boot, TLS/SSL
Certifications	FCC, IC, PTCRB
Environmental	RoHS, Reach, SAEJ1455 [Thermal Shock (4*), Humidity (5*), Mechanical Vibration, Mechanical Shock, Electrostatic Discharge]

(1*) (2*) Based on GPS chipset specification
(3*) *1-Wire* is a registered trademark of Maxim Integrated Products, Inc.
(4*)(5*) Inside operating temperature range

Applications

Heavy Trucks

Light/Medium Duty Vehicles