



PUI
Positioning Universal

FT7500

ADVANCED VEHICLE MANAGEMENT GATEWAY

*Built for both light and heavy-duty vehicles, the **FT7500** is a feature-rich tracking solution, with a robust device management system that is easily scalable to millions of devices.*

*The **FT7500**'s advanced driver-behavior analysis maximizes safety on the road, while enterprise-grade security keeps your sensitive data safe.*

KEY FEATURES

- Dual CAN interface supports light and heavy-duty vehicles
- Powerful, scalable, cloud-based device management with Open API
- Advanced virtual ignition detection system
- Accurate odometer based on GPS, wheel speed and ECU
- Integrated LTE Cat 4 cellular with 3G fallback
- Wi-Fi hotspot & v5.2 Bluetooth Low Energy
- Backup battery

MARKET APPLICATIONS

- **Light and Heavy-Duty Vehicle Management**
- **Business Fleet Management**
- **Insurance Management**
- **Service Vans and Trucks**
- **Heavy-Duty Equipment**



SPECIFICATIONS

GLOBAL CELLULAR CONNECTIVITY

CAT 4, FDD	B1/B2/B3/B4/B5/B7/B8/B12 B13/B18/B19/B20/B25/B26/B28 B38/B39/B40/B41
CAT4, TDD	WCDMA B1/B2/B4/B5B6/B8/B19
3G	GSM 850/900/1800/1900 MHz
2G	

CASE

DIMENSIONS	7.3" x 3.23" x 1.22" (184mm x 82mm x 31mm)
WEIGHT	0.63lb (280g)
HOUSING	Industrial-Grade Polycarbonate(PC) Ingress Protection (IP): 4X

ENVIRONMENT

OPERATING TEMP	Powered: -40°C to +70°C Battery: -20°C to +60°C Charging: 0°C to +45°C
	RoHS, Reach, SAEJ1455 [Thermal Shock (1*), Humidity (2*), Mechanical Vibration, Mechanical Shock, Electrostatic Discharge]
	(1*)(2*) Inside Operating Temperature Range

BACKUP POWER

BATTERY	1.3Ah
----------------	-------

LOCAL AREA CONNECTIVITY

WiFi	802.11 b/g/n/ac 2.4GHz + 5GHz
BLE	v5.2(master, slave, LE data packet length)
USB	Mass Storage(host), ACCM(client)

CERTIFICATIONS

FCC, IC, PTCRB

LOCATION

GPS (multi-constellation)
Assisted Acquisition: 2s (via cloud)
Acquisition Sensitivity: -160dBm (3*)
Tracking Sensitivity: -167dBm (4*)

(3*)(4*) Based on GPS Chipset Specification

INTERNAL SENSORS

9-Axis IMU, System Temperature, Battery Level

INTERNAL ANTENNAS

Cellular Primary and Secondary, GPS, Bluetooth, WiFi

USER INTERFACE

Power Button, 5 LEDs, Buzzer

EXTERNAL CONNECTORS

Cellular Primary
GPS
USB
Power In (6-48VDC)
Power Out (20W)
1-Wire Technology (5*)
ADC (48V) X 2
Digital Input X 4
Programmable Bias
Digital Output X 3
Ignition Input
CAN 2.0B X 1 (ISO-15765 or J1939)
CAN 2.0B or FD X 1 (ISO-15765 or J1939)
RS-232 X 2
ISO-9141
J1708

(5*) 1-Wire is a registered trademark of
Maxim Integrated Products, Inc.

SECURITY

Secure Boot, TLS/SSL

Specifications are subject to change. Please see your Positioning Universal contact for more details.