

Product Specifications: Commercial Asset Tracker (TAT100)

Features		
	Portal	Real time tracking supported by our own tracking platform
	Scenarios	Accelerometer wake up, GNSS and LBS, Bluetooth sensor support, Recovery mode, Periodic tracking on stop / on move, Scheduler with time zones, Backup tracking, Static navigation, Lost BLE sensor
	Sensors	Accelerometer
	Sleep modes	Single custom sleep mode
	Configuration and firmware update	FOTA WEB, Teltonika Configurator (USB)
	SMS	Configuration, Events, Debug
	GPRS commands	Configuration, Debug
	Time Synchronization	GNSS, NITZ, NTP

Module		
	Name	Teltonika TM2500
	Technology	GSM/GPRS/GNSS/BLUETOOTH

GNSS		
	GNSS	L1: GPS, GLONASS, GALILEO, BEIDOU, SBAS*, QZSS*, DGPS*, AGPS* * Optional modes available with custom firmware applications, for more information contact your sales manager.
	Receiver	33 tracking channels 99 acquisition channels
	Tracking sensitivity	-165 dBm
	Position Accuracy	< 2.5 m CEP

Cellular		
	Technology	GSM/GPRS
	2G bands	Quad-band 850 / 900 / 1800 / 1900 MHz

Cellular		
	Data transfer	GPRS Multi-Slot Class 12 (up to 85.6 kbps)
	Data support	SMS (text/data)

Battery and power		
	Internal battery	Extremely low self-discharge Li-SOCI2 swappable, non-rechargeable battery, 7.2V 2200mAh
	Battery life	<p>2-cell battery: Up to 5 years (when used as a backup tracker only via Bluetooth®)* Up to 4 years (1 LBS – cell towers report per day)* Up to 3 years (1 GNSS report per day)*</p> <p>3-cell battery: Up to 6 years (when used as a backup tracker only via Bluetooth®)* Up to 5 years (1 LBS – cell towers report per day)* Up to 4 years (1 GNSS report per day)*</p> <p>*Battery life estimates are influenced by many factors such as outdoor temperature, frequency of reporting, installation, and orientation of the device, network coverage, additional functionalities (like Bluetooth® scanning enabled) and more.</p>

Bluetooth technology		
	Specification	4.2 + LE
	Supported peripherals	EYE Sensors, EYE Beacons (recovery mode only), Universal BLE sensor support

Interface		
	GNSS antenna	Internal High Gain
	Cellular antenna	Internal High Gain
	USB	2.0 Micro-USB
	LED indication	2 status LED lights
	SIM	Micro-SIM
	Memory	128MB internal flash memory

Physical specification		
	Weight	119 g
	Dimensions	78 x 63 x 28 mm (L x W x H)

Operating environment		
	Digital Inputs	1
	Operating temperature (with battery)	-35 °C to +75 °C
	Storage temperature (with battery)	-40 °C to +85 °C (Recommended max. 30°C)
	Operating temperature (without battery)	-20 °C to +60 °C
	Operating humidity	5% to 95% non-condensing
	Ingress Protection Rating	IP68
	Battery discharge temperature	-60 °C to +85 °C
	Battery storage temperature	Recommended max. 30°C

Certification & approvals		
	Regulatory	CE/RED, E-Mark, EAC, UKCA, UA.TR, REACH