



Tramigo T23 Magnum Technical Data

Industry benchmark footprint and functionality

Target Segment		Assets tracking where power is not available
GPS	Receiver type	Telit JF2, SiRF 4
	Number of Channels	48 tracking
	Navigation sensitivity	Acquisition -147 dBm, tracking -163 dBm, cold start <35 s, hot start 1 s
	A-GPS	CGEE
	Antijamming	Remove interference from up to 8 jammers
GSM / GPRS	Modem type	Sierra Wireless Wismo 228 GSM/GPRS (Multi slot class 10, Terminal B)
	Frequencies	850 MHz, 900 MHz, 1800 MHz, 1900 MHz
	Communication	SMS, TCP, UDP
	SIM card type	Normal
MCU	Processor	ARM Cortex-M3
	Code Memory	786 kbytes (total code memory)
	RAM	96 kbytes (total RAM)
	Data flash	16 Mbytes (total data flash)
Audio	Microphone	No (Microphone variants possible later on)
Connectivity	Power	Special power plug to charge the battery.
Antennas	GPS	Internal GPS
	GSM	Internal quad band antenna
Sensors	Onboard	Shock, 3D accelerometer, temperature
Power	Consumption	Operation: Typical 40-90 mA, Standby: 1 mA
Battery	Li-Po	10 000 mAh
	Operation time	Standby up to 60 days.
Software features	Communication	SMS and GPRS with message buffering on data flash
	Over-the air updates	Configuration, parameters, firmware including application
	Landmark database	Landmark databases for many countries, containing whole continent (check availability)
Temperature range	Operation	-20 - +80 °C, Li-Po discharge -20 - +60 °C, Li-Po charge 0 - +45 °C
Compatibility	Software and tools	Fully compatible with T23 Series Tramigo tools, commands and end-user software
Certifications		RoHS, CE 2004/108/EC, 99/5/EC
Dimensions, casing		130 x 80 x 36 mm
Weight, total		320 grams