TRAMIGO™

Tramigo T23 Fleet Technical Data

Industry benchmark footprint and functionality

Target Segment		Fleet, Heavy machinery and Trucks
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
	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, 900MHz, 1800 MHz, 1900MHz
	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	Optional microphone/headset for remote listening
User interface	Buttons	Power, emergency call and SOS buttons
	LEDs	3 status LEDs for Power, GPS and GSM
Connectivity	Power and IO	GPIO (Power and I/O connectors) and Micro USB (Power and data)
I/O Features	Inputs	1 Dedicated Ignition
		2 Switch (SOS, Sensor)
		1 Digital (Powercut)
		1 Analog (0 - 30V, 12-bits)
		1 1-Wire interface (Multiple 1-Wire sensors and meters in one input)
	Outputs	1 Digital
		1 Dedicated Immobilizer
	I/O cable type	12 wires Molex 43045-1200
Antennas	GPS	Internal GPS and optional external antenna (Fakra connector)
	GSM	Internal quad band antenna
Sensors	Onboard	Shock, 3D accelerometer, temperature
Power	Consumption	Operation: Typical 40-90 mA, Standby: 1 mA
	Input voltage	6 - 32 DC
Battery	Li-ion	1300 mAh Note: Internal backup battery
	Operation time	Typical 1 day, depends on user profile and conditions
		Standby up to 50 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-ion discharge -20 - +60 °C, Li-ion charge 0 - +45 °C
Certifications		RoHS, CE 2004/108/EC, 99/5/EC
Available versions		Flash size variants, Landmark Database, language, casing
Dimensions		130 x 60 x 26 mm
Weight		165 g (with battery), 125g (without battery)