



## Thuraya T2M-Dual

Mobility. Versatility. Reliability. Efficiency.

### This is Thuraya T2M-Dual

Offering the very best in security and connectivity when tracking and monitoring your company assets. Easily keep track of all your assets, with built-in navigation systems supporting: GPS, Galileo, Glonass, and Beidou. Equipped with dual-mode, the T2M-dual automatically switches between Thuraya's satellite network and partner GSM networks, allowing for constant, seamless coverage. From logistics to construction, if you're looking to track your fixed or mobile assets across changing points with peace of mind, the T2M-dual offers your business a solution that is simple, flexible, and affordable.

Equipped with 7 modes of communication, along with robust IoT communications and capabilities, the T2M-dual terminal allows for smart, streamlined, and automated data capture across both satellite and GSM networks. The automated network mode selection is determined by least cost routing, so your business is guaranteed a much more affordable service. Built to withstand harsh environmental conditions, while delivering actionable data directly to you, the T2M-dual will keep your company's assets and business operations running smoothly.

### Product Features



#### Dual use

Track fixed or mobile assets



#### Dual-mode coverage

Dual-mode auto-switching between Thuraya's satellite M2M network and partner GSM networks allows for seamless, always-on coverage



#### Choice of transmission

Unmatched choice of transmission to meet any use case communicate over 3G GSM or Satellite: Messaging, GmPRS IP Data, Circuit Switched 9.6 kbps data



#### Mobile fleet tracking

Track and manage vehicles and assets across borders, to ensure remote asset safety and efficiency



#### Operational efficiency

With the ability to gauge and continually monitor events, T2M-DUAL helps operators make smarter decisions to drive operational efficiency



#### Low total cost of ownership

Cost-effective data plans with a data pooling option, giving peace of mind with predictable costs



#### Location

Know the exact location of all your assets with built-in navigation systems supporting: GPS, Galileo, Glonass and Beidou navigation systems



#### OTA

Over-the-air command and control SDK and Protocol support

## Quick, Extensive, and Resilient Tracking.



### Key uses

Fleet management; Rail tracking; Oil & Gas, SCADA and Pipeline monitoring; Smart grid and smart metering applications;

Security, surveillance and tracking; Weather station monitoring; Hydro and environmental management

General Specifications			
Size (mm)	133(W) x 103(L) x 39.8(H)		Unit: mm
Weight	395 g 1.35 kg	T2M – DUAL terminal Including accessories	
Operating Temperature	-30 °C ~ +70 °C -20 °C ~ +60 °C		Excluding backup battery Including backup battery
Battery Capacity	3000 mAh	Li-ion	
Storage Temperature	-40 °C ~ +85 °C		
Vibration	Random 5~20Hz 0.05g2/Hz, 20~150Hz: - 3dB/oct.(1.7g rms), 3-axis, 30minutes for each axis.		
Thermal Shock	-40 °C (1H) / +85 °C (1H), 1 cycle Total 24 Cylce, 48H, non-operating		
Humidity	+70 °C / 95% / 48 Hours, Operating		
Terminal Specifications			
Communication Modem	SAT 3G	Thuraya SM-2700 3G Data Modem	Support Thuraya Satellite Network Support Band I, Band V, Band VII
GNSS	Chipset TTFF	UBLOX-M8030 Cold Stat : 26sec Hot Start : 1sec	Support multi-GNSS: GPS, Beidou, Glonass, Galileo
Ingress Protection	> IP66		
Operating Voltage	+10 Vdc ~ +34 Vdc		
I/O Connector	26 Pin	Waterproof connector	
Interfaces	CANbus protocol (J1939) User programmable CAN configuration 4 Digital Input/ Output 2 Analog ADC Data Input 2 Serial RS232 Port 1-Wire Communication		

Terminal Specs		
SIM Slot	SAT: Mini SIM GSM: Micro SIM	
LED	4 LEDs	Power, SAT, GSM, GPS
Additional	DIP Switch Reset Button	Set vehicle voltage Reset terminal
Antenna		
SAT & GPS Antenna	Frequency	1525Mhz ~ 1660.5 Mhz (SAT)
	Impedance	50Ω
	Polarization	LHCP (SAT) / RHCP(GPS)
	Axial Ratio	< 4dB
	Gain	>5dBic@peak
	Size	110 (D) x 42(H)
Connector	SAT: SMA(F), Gold color GPS: SMA(F), Silver color	
Ingress Protection	IP67	
Mounting	Magnetic Mounting Plate Mounting	
3G Antenna	Type	Basic: Internal Multi-Band Antenna Optional: External Multi-Band Antenna Omni-Directional
	Beam Pattern	
	Impedance	50Ω

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