



# 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 personal assets. Easily keep track of all your remote 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. If you're looking to track your fixed or mobile assets across changing points with peace of mind, the T2M-dual offers a fix 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 personal 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 remote assets, vehicles and overall 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



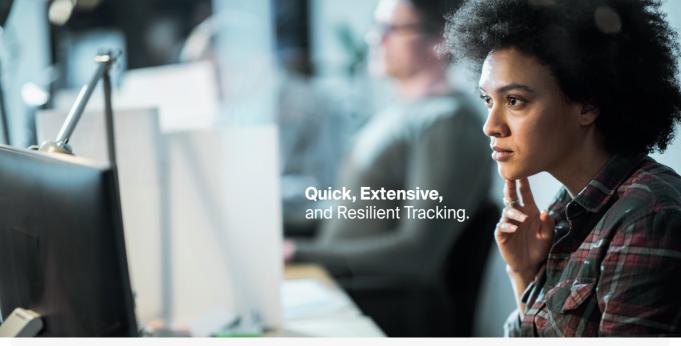
# Location

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





# 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)	13	33(W) x 103(L) x 39.8(H	Unit: mm		
Weight		95 g 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		000 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	Thuraya SM-2700 3G Data Modem	Support Thuraya Satellite Network Support Band I, Band V, Band VII		
	3G	Ja Data Modern	Support Barra I, Barra II, Barra III		
	Chipset		Support multi-GNSS:		
GNSS					
GNSS Ingress Protectio	Chipset	UBLOX-M8030 Cold Stat : 26sec	Support multi-GNSS: GPS, Beidou,		
	Chipset TTFF	UBLOX-M8030 Cold Stat : 26sec Hot Start : 1sec	Support multi-GNSS: GPS, Beidou, Glonass, Galileo		
Ingress Protectio	Chipset TTFF	UBLOX-M8030 Cold Stat : 26sec Hot Start : 1sec > IP66	Support multi-GNSS: GPS, Beidou, Glonass, Galileo		

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 Impedance Polarization Axial Ratio Gain Size Connector Ingress Protection Mounting	1525Mhz ~ 1660.5 Mhz (SAT) 50Ω LHCP (SAT) / RHCP(GPS) < 4dB >5dBic@peak 110 (D) x 42(H) SAT: SMA(F), Gold color GPS: SMA(F), Silver color IP67 Magnetic Mounting Plate Mounting		
3G Antenna	Type Beam Pattern Impedance	Basic: Internal Multi-Band Antenna Optional: External Multi-Band Antenna Omni-Directional 50Ω		

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