



Tetis R Hybrid

Tetis R Hybrid is the ideal solution to ensure safe delivery and maintain the condition of your cargo, from the moment the container is sealed and until it's opened when reaching its destination.

Thanks to a combined cellular and iridium satellite connectivity – your cargo is monitored anywhere around the globe in real-time.

Tetis R Hybrid provides you with real-time alert in any irregular event, ensuring your cargo's safety and quality.

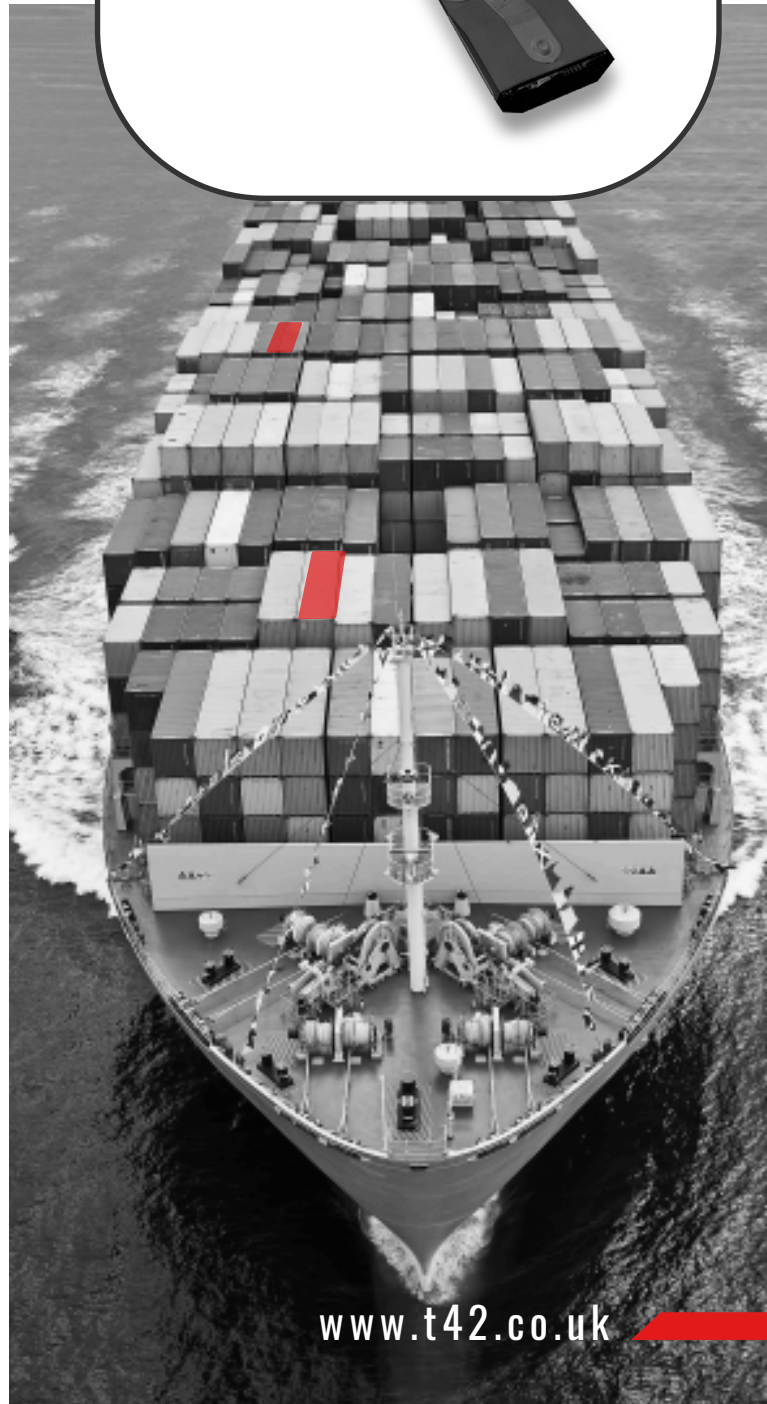
Tetis R Hybrid – monitoring every aspect of your cargo in real time:

- Monitors location, impact, container loss and theft
- Easy installation on container's door hinge
- Cellular engine (3G), GPS/GLONASS, and built – in iridium satellite antenna pinpoint exact location and monitor any deviation from route
- Temperature and light detectors detect deviation from temperature and humidity ranges – in real time
- Provide an immediate alert with any irregular event: accident, damage, attempted break-in and unauthorized container door opening

Offering complete management solution with t42 Online web-based application and Olympia Tracking mobile application.

Tetis R Hybrid - Product description:

- **Tetis Unit:**
Cellular + GPS (built-in antennas), 4500 mAh battery
- **Iridium unit:**
Satellite communication (built-in antenna), 2600 mAh
- **battery Built-in Sensors:**
Light, temperature, humidity Accelerometer
- **Buttons:** door, operation



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Main Specifications:

Supply	Lithium-ion	3.7V, 5000 mAh
Temperature	Operational	-20°C to +60°C
	Storage	-40°C to +85°C
Operating Humidity	Up to 90%	
Measurement	40 x 25 x 4 cm (15.7 x 9.8 x 1.6 inch)	
Cellular Communication	HSDPA/HSUPA	800, 850, 900, 1800, 1900, 2100
	Optional Modems	LTE
	Antenna type	Built-in (concealed)
	Data channels	SMS & TCP/IP
	Protocol	Propriety – encrypted
Location	Type	GPS, GLONASS (optional)
	Time to First Fix (TTFF)	2 sec (hot start)
	Positioning Accuracy	10m CEP (50%)
	Antenna type	Velocity: 0.2m/s (50%) Built in (concealed)
CPU Capacity	Static RAM	128 Kb
	Nonvolatile Memory	34 Kb
	Flash Memory	2048 Kb
Sensors: Temperature	Range	-45°C to +125°C
	Accuracy	± 0.2°C
Relative Humidity	Range	0% to 100%
	Accuracy	± 1.8 %
Accelerometer	Range	± 8g
	Accuracy	± 2.5%
Light	Resolution	0.025 LUX
	Sensitivity	0 - 104,448 LUX (Sunlight)
Inputs	Push-button	1
	Door Switch	1
Battery Pack	Type	Li-Ion
	Capacity	4500 mAh (Tetis unit)
Power Consumption	Sleep/Idle	0.05 mAh
	GPS only	75 mAh
	GPRS only	100 mAh
	GPS and GPRS	165 mAh
Access Port	Type	TTL (USB cable is available)