



Kylos E

Kylos E is a long lasting and versatile IoT solution designed for asset protection, and cargo monitoring. The **Kylos E** will track and monitor your assets or equipment for years at a time, with its battery that lasts up to 10 years.

The system triggers an alert with any irregular event. This includes any change of location, temperature, impacts, or light exposure. You'll receive a real time notification and after the fact report.

Kylos E is a standalone unit, capable of operating without the need for any connection or external wiring- this makes it easily hidden if required.

By being able to monitor and manage the environment of your cargo, the risk of damage and loss can be significantly reduced. **Kylos Air Connect** keeps you informed during each point in the shipping process. The system triggers an alert with any irregular event. This includes any change of location, temperature, impacts, or light exposure. You'll receive a real time alert and after the fact report.

Measured Values:

- GPS Location
- Temperature
- Light
- Impact

Its built-in BLE (Bluetooth Low Energy) transmitter, allows it to communicate with various external sensors and beacons.

t42's superior technology - built to work better and last longer



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General Specifications:

Battery	Type	Lithium-thionyl chloride[Li-SOCl ₂]
	Power	3.6V, D-size Spiral cell 14,000 mAh
Access Port	Type	TTL (USB cable is available)
Power Consumption	Sleep/Idle	0.05 mAh
	GPS only	75 mAh
	GPRS only	100 mAh
	GPS and GPRS	165 mAh
Battery Life	Transmissions & Work time	1 Report every 6 hours: 3 years
		1 Report every 24 hours: 6 years
		1 report every 5 days: 10 years
Temperature	Operational	-40°C to +80°C
	Storage	-40°C to +85°C
Operating Humidity Measurement		Up to 100%
		165 x 65 x 65 mm, 440 grams
Cellular	2G GSM/GPRS/EDGE	(850MHz, 900 MHz, 1800 MHz, 1900 MHz)
Communication	3G UMTS/HSDPA/HSUPA Cat M1/Cat NB1:	(800 MHz,850 MHz,900 MHz,1900 MHz,2100 MHz) LTE FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28 LTE TDD: B39 (For Cat M1 Only)
	Antenna type	Built-in (concealed)
	Data channels	SMS & TCP/IP
	Protocol	Propriety – encrypted
Messages	SMS	Encrypted Protocol
	GPRS	TCP/IP over PPP
GNSS	Systems	Multi-GNSS engine for GPS, GLONASS, Galileo and QZSS
	Receiver and Antenna	Internal
	Protocol	NMEA (Binary format):
	Positioning accuracy	10m CEP (50%) Velocity: 0.2m/s (50%)
	Navigation Update Rate	1 second (Default) All-In-View solution
	Navigation method	2-Satellite solution, A-GPS
	Time to First Fix (TTFF)	Hot Start: 2 sec Warm Start: 10 sec Cold Start: 27 sec
CPU Capacity	Antenna	Built in
	Static RAM	128 Kb
	Nonvolatile Memory	34 Kb
	Flash Memory	2048 Kb
Sensors (optional): Light Temperature Accelerometer	Accuracy / Sensitivity	0.025 LUX / 0 - 104,448 LUX (Sunlight)
	Accuracy / Range	±1.0°C / -20°C to +60°C
	Type / Accuracy	3 Axis, 0.1g resolution
	Resolution / Range	
Access Port	Type	TTL (USB cable is available)