KYLOS Air

Kylos Air is a sophisticated tracking system, designed for the purpose of monitoring and tracking air cargo. To comply with the airlines' regulations, cellular modem is deactivated during take-off, and reactivated automatically upon landing.

By being able to monitor and manage the environment of your cargo, the risk of damage and loss can be significantly reduced.

Kylos Air 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
- Air pressure

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Power Specification

		Kylos Air
Battery	Type	Lithium-ion
	Power	3.7V, 4500 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 10 minutes: 60 Hours
		1 Report every 6 hours: 90 days
		1 Report every 24 hours: 300 days

General Specification

		Kylos Air
Temperature	Operational	-20°C to +60°C
	Storage	-40°C to +85°C
Operating Humidity		Up to 100%
Measurement		165 x 35 x 40 mm,
		200 grams
Cellular Communication	GSM/GPRS-default	Quad Band (850, 900, 1800, 1900)
	Optional Modems	UMTS/HSPA+, CDMA/1xRTT/EV-DO
	Antenna type	Built-in (concealed)
	Data channels	SMS & TCP/IP
	Protocol	Propriety – encrypted
Network	Data	GSM, GPRS and SMS
Messages	SMS	Encrypted Protocol
	GPRS	TCP/IP over PPP
GPS	Systems	GPS, GLONASS
	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
		Hot Start: 2 sec
	Time to First Fix (TTFF)	Warm Start: 10 sec
		Cold Start: 50 sec
	Antenna	Built in
CPU Capacity	Static RAM	128 Kb
	Nonvolatile Memory	34 Kb
	Flash Memory	2048 Kb
Sensors (optional):		
Light	Accuracy / Sensitivity	0.025 LUX / 0 - 104,448 LUX (Sunlight)
Temperature	Accuracy / Range	±1.0°C / −20°C to +60°C
Accelerometer	Type / Accuracy	3 Axis, 0.1g resolution
Barometer	Resolution / Range	±1 hPa / 300 – 1100 hPa
Access Port	Type	TTL (USB cable is available)

RoHS