



Kylos Air Connect

Kylos Air Connect 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 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
- Air pressure



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General Specifications:

Battery	Lithium-ion	3.7V, 5000 mAh
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
Positioning	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)
	Navigation method	All-In-View solution
	Time to First Fix (TTFF)	2-Satellite solution, A-GPS
		Hot Start: 2 sec
		Warm Start: 10 sec
		Cold Start: 50 sec
CPU Capacity	Antenna	Built in
	Static RAM	128 Kb
	Nonvolatile Memory	34 Kb
	Flash Memory	2048 Kb
Sensors	Resolution / Range	0.025 LUX / 0 - 104,448 LUX (Sunlight)
	Resolution / Range Type /	±1.0°C / -20°C to +60°C
	Resolution Resolution / Range	3 Axis / 0.1g resolution ±1 hPa / 300 – 1100 hPa
Accelerometer Barometer		
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 Every 10 minutes	Work time 60 hours
	Every 6 hours	90 days
	Every 24 hours	300 days