

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



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

Kylos Air - General Specifications:

Battery	Lithium-ion	3.7V, 5000 mAh
Temperature	Operational Storage	-20°C to +60°C -40°C to +85°C
Operating Humidity	Up to 100%	
Measurement	165 x 35 x 40 mm, 200 grams	
Cellular Communication	GSM/GPRS-default Optional Modems Antenna type Data channels Protocol	Quad Band (850, 900, 1800, 1900) UMTS/HSPA+, CDMA/1xRTT/EV-DO Built-in (concealed) SMS & TCP/IP Propriety – encrypted
Network	Data	GSM, GPRS and SMS
Messages	SMS GPRS	Encrypted Protocol TCP/IP over PPP
Positioning	Systems Receiver and Antenna Protocol Positioning accuracy Navigation Update Rate Navigation method Time to First Fix (TTFF) Antenna	GPS, GLONASS Internal NMEA (Binary format): 10m CEP (50%) Velocity: 0.2m/s (50%) 1 second (Default) All-In-View solution 2-Satellite solution, A-GPS Hot Start: 2 sec Warm Start: 10 sec Cold Start: 50 sec Built in
CPU Capacity	Static RAM Nonvolatile Memory Flash Memory	128 Kb 34 Kb 2048 Kb
Sensors Light Temperature Accelerometer Barometer	Resolution / Range Resolution / Range Type / Resolution Resolution / Range	0.025 LUX / 0 - 104,448 LUX (Sunlight) ±1.0°C / -20°C to +60°C 3 Axis / 0.1g resolution ±1 hPa / 300 – 1100 hPa
Battery	Type Power	Lithium-ion 3.7V, 4500 mAh
Access Port	Type	TTL (USB cable is available)
Power Consumption	Sleep/Idle GPS only GPRS only GPS and GPRS	0.05 mAh 75 mAh 100 mAh 165 mAh
Battery Life	Transmissions Every 10 minutes Every 6 hours Every 24 hours	Work time 60 hours 90 days 300 days