

KYLOS CONNECT IOT

LoRa protocol based IoT Monitoring solution for cost- effective multiple units management.



 Warehouse management  Logistics Management  Cold chain logistics monitoring

Kylos Connect IoT monitoring solution is the ideal solution for cost effective multiple device monitoring.

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.

By utilizing an advanced LoRa and Bluetooth connectivity, Kylos Connect lets you track multiple end-units while maintaining low communications and hardware costs.

Kylos Connect includes one central transmission unit which can communicate with several end-units in its near proximity. Connecting your units to one another keeps your communications costs low while making sure you are connected 24/7.

Measured Values:

-  Location
-  Temperature
-  Light
-  Impact



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

Kylos Connect - 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	HSDPA/HSUPA Optional Modems Antenna type Data channels Protocol	800, 850, 900, 1800, 1900, 2100 LTE 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
Bluetooth	Type Version Tx power Rx sensitivity	BLE 4.1 + 4 dBm - 88 dBm
LoRa	Output power Antenna	+14 dBm External
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
Access Port	TTL (USB cable is available)	
Power Consumption	Sleep/Idle Positioning only Cellular only Cellular and Positioning	0.05 mAh 75 mAh 100 mAh 165 mAh
Battery Life	Transmissions Once an hour	Work time 30 days