

KYLOS SERIES – RECHARGEABLE (KYLOS MC)

Kylos M

4G + BLE

Standalone GPS tracker with no wiring. 5,000 mAh battery for months of operation, temperature and humidity sensors, magnetic mounting.



BATTERY
Li-Po 5000 mAh



DIMENSIONS
100 × 55 × 32 mm



INGRESS PROTECTION
IPX7

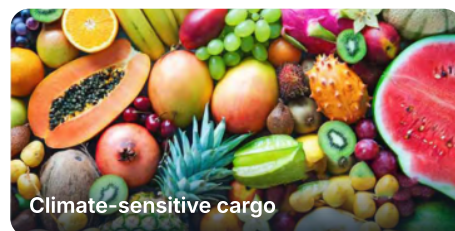
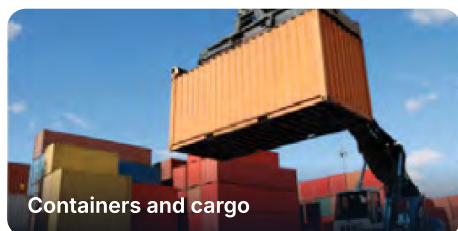


OPERATING TEMP.
-40 °C ~ +70 °C

Key features

-  5,000 mAh Li-Po battery, USB-C charging
-  Months of operation with one position per day
-  Built-in temperature (± 0.1 °C) and humidity ($\pm 1\%$ RH) sensors
-  56-channel GNSS: GPS, GLONASS, Galileo, BeiDou
-  4G LTE Cat-1 with global bands + GSM fallback
-  BLE 4.2 for external sensors and accessories
-  Alerts for location change, movement and impact
-  Tool-free installation – optional magnetic mount
-  IPX7 housing, MIL-STD 810F tested

Applications



Technical specifications

Cellular	
Technology	LTE Cat-1; GSM 850/900/1800/1900 MHz (Class 10)
LTE bands	B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/66
LTE power / data rate	Class 5 (20 dBm); DL 10 Mbps, UL 5 Mbps
Data support	TCP, UDP
SIM card	Internal nano-SIM (4FF), 1.8/3.3 V
Location	
GNSS	GPS / GLONASS / Galileo / BeiDou / QZSS; SBAS: WAAS, EGNOS, MSAS, GAGAN
Channels	56
Tracking sensitivity	-167 dBm
GPS / GSM antennas	Internal (patch)
Sensors and memory	
Temperature and humidity	Accuracy 0.1 °C; relative humidity ±1% RH
Accelerometer	3D, on board
Bluetooth	BLE 4.2
CPU / memory	ARM Cortex-M4; 4 Mbit flash (8,000 records)
Interfaces	USB-C (charging, configuration), 1 TTL serial port; 3 status LEDs
Power	
Battery	Li-Po 5,000 mAh; charging range 0 ~ +45 °C
Power consumption	50 µA (sleep), 50 mA (active tracking) at 3.7 V
Operating voltage	4.5 ~ 6 V DC
General and environmental	
Dimensions	100 × 55 × 32 mm
Weight	260 g
IP rating	IPX7
Operating temperature	-40 °C ~ +70 °C
Humidity	100% RH at 50 °C, non-condensing
Shock and vibration	MIL-STD 202G, 810F; SAE J1455
EMC / RoHS	SAE J1113; FCC Part 15B; RoHS (optional)