Kinéis' direct–to–satellite IoT connectivity service opens a whole new world of possibilities: available everywhere,simple, reliable, low power and affordable, our unique technology serves multiple use cases, remote assets, infrastructure, agriculture, logistics and environmental around the globe.

KINÉIS EXPLORER

A turnkey solution to start testing your ideas and qualify your business case

The **Kinéis Explorer** demo device is a highly adaptable device enabled with Kinéis connectivity.

Battery powered with **micro-USB** charging option, this **ready-to-use** device is compact, versatile and combines **four sensors**, GPS, **dry contact**,and a button.

Designed to **fit most environments**, the Kinéis Explorer offers multiple mounting options, easing the installation.

HARDWARE RELATED FEATURES

Frequency	399,910-401,680MHz
RF output power	30 dBm (1W)
Power supply	Battery with micro-USB charging option
Overall volume	135 x 85 x 30mm
Weight	240g
Protection	IP54 + IK06 rating
Operating temperatures	-20°C - +55°C

Mounting options

Adjustable mounting brackets
Straps or clamping rings
Plain surface for adhesive tape

Capabilities

Dry contact
Configurable button

SENSORS' RANGE

Pressure
Range: 300-1100 hPa
Accuracy: typ. ±1hPa

Light
Range: 6710 lux
Accuracy: ±0.0004 lux

Humidity
Accuracy: ±3.5% rH, 20 to +80% rH
±5% rH, <20% & >80% rH

Motion
Range: ±2g/±4g/±8g/±16g
selectable full scales

Location
Accuracy:
Autonomous <2.5m CEP

Temperature
Range: -40°C - +120°C
Accuracy: ±1.5 at -20°C
±0.5°C, 15 to 40°C

POWER MANAGEMENT

Battery   Polymer lithium-ion, nominal voltage: 3,7V, nominal capacity: 2800 mAh

Acquisition frequency	Messages per day	Estimated Lifetime
1 every hour	96 *24 messages with 4 repetitions each*	2 ½ + months
1 every 4 hours	24 *6 messages with 4 repetitions*	6 months

This document and Kineis products can be subject to changes, improvements or modifications.Partners should ensure that are in possession of the latest relevant information about Kineis connectivity.