



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 - +60°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. ± 1 hPa



Light

Range: 6710 lux
Accuracy: ± 0.0004 lux



Humidity

Accuracy: $\pm 3.5\%$ rH, 20 to +80% rH
 $\pm 5\%$ rH, <20% & >80% rH



Motion

Range: $\pm 2g/\pm 4g/\pm 8g/\pm 16g$
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

1 every hour

1 every 4 hours

Messages per day

96
24 messages with 4 repetitions each

24
6 messages with 4 repetitions

Estimated Lifetime

2 ½ + months

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.

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