

Product overview

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.

KINEIS MODULE – KIM2

The KIM family is a high-quality product line of modules with a small form factor targeting large IoT applications. The KIM2 Module is a bi-directional, low-power transceiver enabling worldwide satellite connectivity and all Kinéis service for IoT devices (Data uplink, Acknowledgment, Data downlink, positioning)



CHARACTERISTICS – SPECIFICATIONS

Mechanical characteristics

Package	Surface-mount module (48 pins)
Size	36.6 x 25.4 x 5mm
Weight	6g

Radio Frequency characteristics

Communication	Bi-directional
Frequency Band	399.91 – 403 MHz
Modulation	BPSK +/-1.1 rad
Typical payload size	16 Bytes Tx 16 Bytes Rx
Typical Tx frame duration	<1s

Electrical characteristics

Supply Voltage	3.3V – 5V, typ. 3.6V (Internally regulated)
Power consumption	Typ 395 mA @Tx mode @3.6V Typ 75 mA @Rx mode @3.6V
Output	27dBm nominal output power
Idle mode	< 3µA

Interfaces

RF Connection	Board edge connection
Protocol	UART
Instructions	AT commands
On/Off pin	Yes (enabling by external MCU)

CHARACTERISTICS – ENVIRONNEMENT MONITORING



Temperature

Operating	Storage
-40°C to +85°C	-40°C to +90°C

CERTIFICATION



Certification

Kinéis, CNES, FCC & CE

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