



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 - KIM 1

The KIM family is a high-quality designed line of products with a small form factor targeting industrial applications. Kinéis module (KIM1) is a low-power transmitter offering worldwide satellite connectivity to IoT devices.



CHARACTERISTICS - SPECIFICATIONS

Mechanical characteristics

Package	Surface-mount module (37 pins)
Size	31.2 x 21 x 3,5 mm
Weight	3g

Data transmission

Communication	One-way Transmission only
Frequency Band	399.10 - 401.680 MHz
Modulation Method	Bi-phase PSK +/-1.1 rad
Data rate	400 bits/s
Typical payload size	23 Bytes
Typical transmission	<1s

Electrical characteristics

Supply Voltage	4.5V - 5.5V, typ. 5V (Internally regulated)
Power consumption	500mA@Tx mode
Output	30dBm nominal output power; adjustable power 20dBm-30dBm
Idle mode	5mA

Interfaces

RF Connection	Board edge connector
Protocol	UART
Instructions	AT commands
On/Off pin	LDO controlled switch off (< 2 μ A)

CHARACTERISTICS - ENVIRONNEMENT



Temperature

Operating
-20°C to +55°C

Storage
-40°C to +90°C



Humidity

10% -90% non-condensing

CERTIFICATIONS



Certification

CE, CNES, FCC (ongoing)

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