IMA2A LTE Cat. M1 LGA Module

Ver.1.1 Dec. 08, 2018

--- Optimized Your Connection of IoT

WNC IMA2A LTE module is the perfect solution for Internet of Things, IoT, connectivity while offering the great flexibility of multi-design capability in very compact dimensions.

Key Benefits:

A single small form factor with multiple design capability

Efficient cost structure for future market competiveness

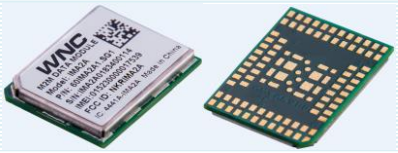
Multiple GPIO interfaces for great system design flexibility

Comprehensive SDK to simplify software development effort

Comply with ETSI SMT specs

Dimension:

*19.2*14.7*2.152mm*



The compact IMA2A in industrial LGA, Land Grid Array, package design would meet automated manufacturing needs for high-volume M2M devices production process.

IMA2A demonstrates the ability of LTE to deliver cost savings compared to 2G or 3G while delivering LTE's lower latency and higher throughput performance.

Why should new implementation move to LTE?

1. Scalability – LTE can support IPv6 addressing which provides the ability for future mass IoT deployments.

2. Longevity – 2G and 3G cellular networks may not be around for the lifetime of an IoT product, especially if the product operates in the field for more than just a few years

3. More Powerful, More Services, More Business Models – LTE could support increased types and functionalities of IoT application, creating a whole new level of business.

Why WNC IMA2A LTE Module

For Machine-to-Machine Adaptors: IMA2A provides a better, faster and smaller solution for further M2M application design

For network operators: IMA2A is a flexible, efficient, reliable and cost savings solution for mass deployment

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Key Features

- 3GPP Release 13 Compliant.
- Max. Data Rate :
  - LTE UE category M1 (300kbps downlink, 375kbps uplink)
- Software Features
  - IPv4, IPv6 supported
  - AT command set

Specification

General

- USIM 1.8V
- UART*2
- GPIO/I2C
- ADC

LTE Support Bands

- Band B2/4/12
- Power Cat-M1: 23dBm (Class 3)

Mechanical

- Dimensions: 19.2mm x 14.7mm x 2.152mm
- Connection: ETSI SMT1915
- Weight: <10g.

Standard Approval

- PTCRB
- FCC / IC
- ATT Compliant

Environmental

- Operating Temperature:
  - ✓ -20°C ~ +60°C fully compliant with 3GPP
  - ✓ -40°C ~ +85°C functional work
- Storage Temperature: -40°C ~ +85°C

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