IMA2A LTE Cat. M1 LGA Module

--- 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.

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

---

**Key Benefits:**

- A single small form factor with multiple design capability
- Efficient cost structure for future market competitiveness
- 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
### 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