Fibocom MG661-LA

LTE Cat1 bis wireless communication module specially designed for IoT applications

17.7±0.15mm
15.8±0.15mm
2.4±0.2mm
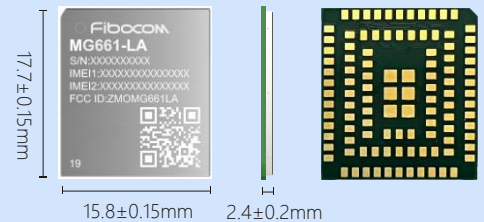
Key Benefits

· Extreme compactness, catering to clients' small form factor requirements for end terminals.

· Rich in functional interfaces, significantly expanding application possibilities.

· Providing IoT industry reference designs and customer development support.

· High-performance LTE Cat1 bis IoT module, designed for low-cost applications, offering exceptional cost-effectiveness.

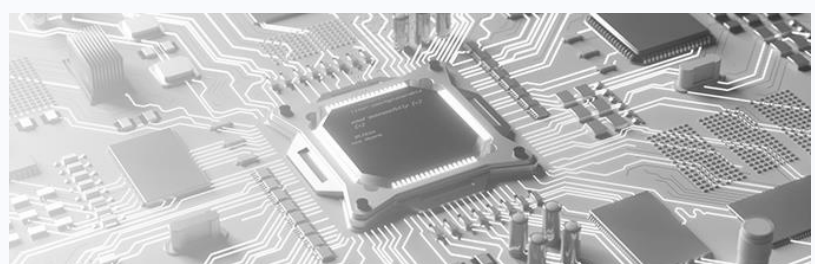|	
3GPP	Release 13
LTE 4Advanced	LTE Cat1 bis
LCC LGA	LCC+LGA Package
(pie chart)	Compatible design
AT	Fibocom Enhanced AT Commands

MG661-LA is a high-performance LTE Cat1 bis wireless communication module with an LGA package, measuring 17.7±0.15mm15.8±0.15mm2.4±0.2mm. It supports 4G frequency bands for operators in the Latin America region. MG661-LA is equipped with rich network protocols, integrated with multiple universal interfaces, and supports various drivers and software functionalities (such as mainstream operating systems like Windows, Android, Linux), meeting diverse application demands in the IoT industry.

Positioned for the mid-to-low data rate IoT market, MG661-LA caters to various applications such as trackers, security monitoring, in-vehicle, mobile payment, shared economy, industrial IoT, and more. It provides a seamless wireless experience for customers in these fields.

MG661-LA is an LTE-only wireless communication module designed with a small footprint to meet the requirements of customers for compact hardware design.

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Cat1	MG661-LA-19
Region	Latin America
Basic Features	
Package	LGA
Dimension (mm)	17.7*15.8*2.4
LTE FDD	B2/3/4/5/7/8/28/66
Power Supply	3.4V - 4.3V (Typical 3.8V)
Operating Temp.	-30°C - +75°C
Data Transmission	
LTE FDD (Mbps)	10.3(DL)/5.1(UL)
Memory specifications	
Memory	4MB FLASH+8MB SRAM
Functions	
WiFi-Scan	●
BLE	NA
OpenCPU	Optional
FOTA	DFOTA
OS Drivers	Linux/Windows/Android
GNSS	NA
TTS	NA
SMS	●
Audio	NA
Protocols	TCP/UDP HTTP/HTTPS FTP/FTPS MQTT SSL/TLS Built in protocol stack support IPV6
Interfaces	
SIM	x2
USB	x1, USB2.0
UART	x2
SPI	●
ADC	x2
GPIO	●
SDIO	NA
I2C	●
Certification	
Regulation	FCC/Anatel/ROHS
Operator	NA
Industry	NA

* = planning /under development ● = support