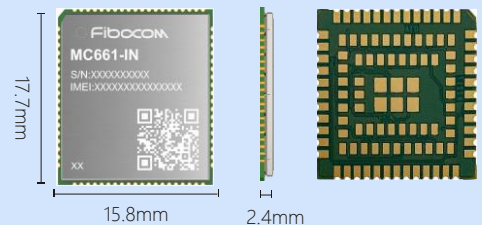


Fibocom MC661-IN

LTE Cat1 bis wireless communication module specially designed for IoT applications



Key Benefits

- Ultra small size to support customers' demand for miniaturization of terminals
- Rich functional interfaces have greatly expanded the application field
- Provide IoT industry reference design and customer development support
- High performance LTE Cat1 bis IoT module and ultra-high cost performance



Release 13

MC661-IN is a LTE Cat1 bis wireless communication module adopting LCC+LGA form factor, with the size of $17.7\pm 0.15\text{mm} \times 15.8\pm 0.15\text{mm} \times 2.4\pm 0.2\text{mm}$. MC661-IN supports China & India frequency band. MC661-IN has built-in rich network protocols and integrates multiple universal interfaces and supports a variety of driver and software functions (such as Linux/Android/Windows and other mainstream operating systems) to meet the demands of various applications in the IoT industry.



LTE Cat1 bis

MC661-IN is perfectly suitable for low and mid-speed IoT scenarios, such as tracker, universal payment, sharing, industrial interconnection, security monitoring, BMS, vehicle, etc., providing customers with reliable connectivity and robust security.



LCC+LGA Package



Compatible design



Fibocom Enhanced AT Commands



WiFi-Scan (Optional)



| Cat1 | MC661-IN-19* | MC661-IN-29 |
|--------------------------|---|---|
| Region | India | |
| Basic Features | | |
| Package | LCC+LGA | LCC+LGA |
| Dimension (mm) | 17.7*15.8*2.4 | 17.7*15.8*2.4 |
| LTE FDD | B1/3/5/8 | B1/3/5/8 |
| LTE TDD | B34/38/39/40/41 (full band) | B34/38/39/40/41 (full band) |
| Power Supply | 3.4V - 4.5V (Typical 3.8V) | 3.4V - 4.5V (Typical 3.8V) |
| Operating Temp. | -35°C - +75°C | -35°C - +75°C |
| Extended Temp. | -40°C - +85°C | -40°C - +85°C |
| Data Transmission | | |
| LTE FDD (Mbps) | 10.3(DL)/5.1(UL) | 10.3(DL)/5.1(UL) |
| LTE TDD (Mbps) | 9.1(DL)/3.1(UL) | 9.1(DL)/3.1(UL) |
| Memory | | |
| Memory | 4MB FLASH+8MB SRAM | 8MB FLASH+8MB SRAM |
| Functions | | |
| WiFi-Scan | ● | ● |
| BLE | NA | NA |
| OpenCPU | ● | ● |
| FOTA | DFOTA | DFOTA |
| OS Drivers | Linux/Windows/Android | Linux/Windows/Android |
| GNSS | NA | NA |
| TTS | NA | Optional |
| SMS | ● | ● |
| Audio | NA | NA |
| Protocols | TCP/UDP/ HTTP/HTTPS/ FTP/FTPS/SFTP HeartBeat/ MQTT/ SSL/TLS/ ECLOUD/ LwM2M support Built in protocol stack support IPV6 | TCP/UDP/ HTTP/HTTPS/ FTP/FTPS/SFTP HeartBeat/ MQTT/ SSL/TLS/ ECLOUD/ LwM2M support Built in protocol stack support IPV6 |
| Interfaces | | |
| SIM | x2, 1.8V/3.0V | x2, 1.8V/3.0V |
| USB | x1, USB2.0 | x1, USB2.0 |
| UART | x2 (Standard version) x4 (OpenCPU version) | x2 (Standard version) x4 (OpenCPU version) |
| SPI | ● | ● |
| ADC | x2 | x2 |
| GPIO | ● | ● |
| SDIO | ● | ● |
| I2C | ● | ● |
| Certification | | |
| Regulation | RoHS* | RoHS |
| Operator | NA | NA |
| Industry | NA | NA |

* = planning /under development ● = support

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