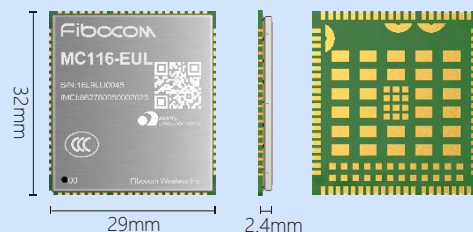


Fibocom MC116-EUL

LTE Cat1 wireless communication module specially designed for IoT applications

Key Benefits

- Support multi network frequency bands and rich network protocols
- Provide IoT industry reference design and customer development support
- High performance LTE Cat1 IoT module and ultra-high cost performance



LTE Cat1

MC116-EUL is a LTE Cat1 wireless communication module adopting LCC+LGA form factor, with the size of 32mm*29mm*2.4mm. It is pin-to-pin compatible with Fibocom's LTE Cat 4 module NL668, which is convenient for customers to migrate between different technologies at the lowest cost. MC116-EUL supports LTE network and WCDMA/GSM fallback, covering the frequency bands of operators in Europe, Latin America, India, Australia, Hong Kong, Singapore and other regions. With a rich extension of interfaces including USB/ UART/ ADC/ PCM/ SGMII, the LTE Cat 1 module MC116-EUL enables much flexibility and ease of integration to meet various application demands of the IoT industry.



LCC+LGA Package



Compatible design

The Fibocom MC116-EUL is perfectly suitable for low and mid-speed IoT scenarios, such as telematics, security, ATM/POS, C-V2X, etc., providing customers with reliable connectivity and robust security.



Extended AT Command



LTE Cat 1	MC116-EUL-00	MC116-EUL-01
Region	Europe · Latin America	Europe · Latin America · India · Australia · Hong Kong · Singapore
Basic Features		
Package	LCC+LGA	LCC+LGA
Dimension (mm)	32×29×2.4	32×29×2.4
LTE FDD	B1/2/3/4/7/8/20/28	B1/2/3/4/5/7/8/20/28
LTE TDD	NA	B38/40/41
WCDMA	B1/2/5/8	B1/2/5/8
GSM/GPRS/EDGE	850/900/1800/1900MHz	850/900/1800/1900MHz
Power Supply	3.3V - 4.3V (Typical 3.8V)	3.3V - 4.3V (Typical 3.8V)
Operating Temp.	-30°C - +75°C	-30°C - +75°C
Expansion Temp.	-40°C - +85°C	-40°C - +85°C
Data Transmission		
LTE FDD	10Mbps DL/5Mbps UL	10Mbps DL/5Mbps UL
LTE TDD	NA	8.2Mbps DL/3.4Mbps UL
UMTS	384kbps DL/384kbps UL	384kbps DL/384kbps UL
HSPA/HSPA+	42Mbps DL/5.76Mbps UL	42Mbps DL/5.76Mbps UL
EDGE	296kbps DL/236.8kbps UL	296kbps DL/236.8kbps UL
GPRS	107kbps DL/85.6kbps UL	107kbps DL/85.6kbps UL
Functions		
WiFi-Scan	NA	NA
BLE	NA	NA
OpenCPU	NA	NA
FOTA	DFOTA	DFOTA
OS Drivers	Linux/Windows/Android	Linux/Windows/Android
GNSS	NA	NA
TTS	NA	NA
SMS	●	●
Audio	NA	NA
Protocols	TCP/UDP(S)/HTTP(S)/FTP(S)/IPV4/IPV6/SSL/MQTT/LWM 2M	TCP/UDP(S)/HTTP(S)/FTP(S)/IPV4/IPV6/SSL/MQTT/LWM 2M
Interfaces		
SIM	x1, 1.8V/3.0V	x1, 1.8V/3.0V
USB	x1, USB2.0	x1, USB2.0
UART	●	●
ADC	x2	x2
PCM	●	●
SGMII	●	●
GPIO	●	●
Certification		
Regulation	RoHS/Reach/CE/Anatel	RoHS/CE*/Anatel*/RCM*/IMDA*
Operator	NA	Telstra*
Industry	GCF	GCF*

* = planning /under development ● = support

Fibocom Wireless Inc.

Telephone : +86 755-26733555 Post Code : info@fibocom.com
Address : Floor 10 th, Tower A, Building 6, Shenzhen International
Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China
Official website : www.fibocom.com

