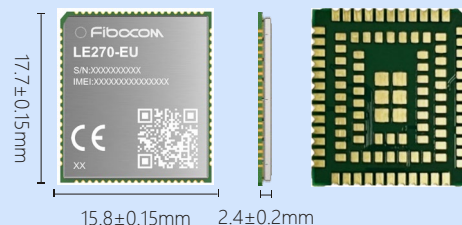


Fibocom LE270-EU

LTE Cat1 bis wireless communication module specially designed for IoT applications



Key Benefits

- Ultimate size, supporting customers in achieving the demand for miniaturization of terminals.
- Ultimate power consumption, catering to a wide range of battery-powered IoT applications.
- Providing IoT industry reference designs and customer development support.
- High-performance LTE Cat1 bis IoT modules, designed for low cost and offering exceptional cost-effectiveness.



Release 13



LTE Cat1 bis



LCC+LGA Package



Compatible design

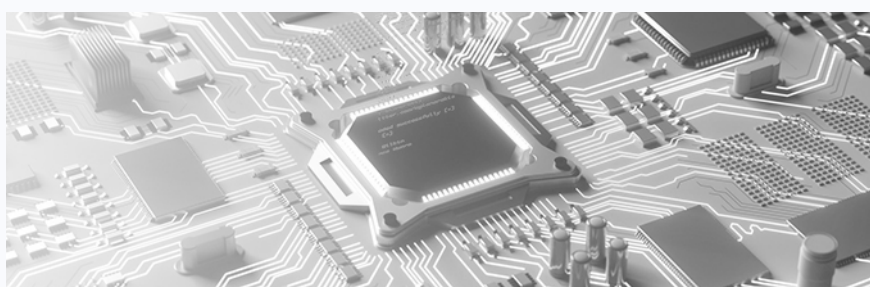


Fibocom Enhanced AT Commands

LE270-EU is a high-performance LTE Cat1 bis wireless communication module, utilizing LCC+LGA packaging with dimensions of (17.7 ± 0.15) mm x (15.8 ± 0.15) mm x (2.4 ± 0.2) mm. It supports 4G frequency bands of domestic operators. LE270-EU is designed with ultimate power consumption, significantly optimizing both connected and DRX standby power consumption, better suiting the demands of industries such as trackers, IPCs, shared devices, meters, smoke alarms, etc.

LE270-EU integrates multiple general interfaces and supports various drivers and software functionalities (such as Windows/Linux and other mainstream operating systems), meeting various application demands in the IoT industry.

LE270-EU targets the low to mid-rate IoT market, covering various application scenarios including security monitoring, trackers, vehicle-mounted devices, general payment systems, sharing platforms, industrial interconnections, etc., providing perfect wireless experiences for customers in these fields.



Cat1	LE270-EU-1D5
Region	Europe
Basic Features	
Package	LCC+LGA
Dimension (mm)	(17.7±0.15) mm x (15.8±0.15) mm x (2.4±0.2) mm
LTE FDD	B1/3/5/7/8/20/28
LTE TDD	B38/40/41
GSM/GPRS/EDGE	NA
Power Supply	3.4V - 4.5V (Typical 3.8V)
Operating Temp.	-35°C - +75°C
Extended Temp.	-40°C - +85°C
Data Transmission	
LTE FDD (Mbps)	10.3(DL)/5.1(UL)
LTE TDD (Mbps)	9.1(DL)/3.1(UL)
GPRS(Kbps)	NA
Memory specifications	
Memory	4MB FLASH + 2MB SRAM
Functions	
WiFi-Scan	NA
BLE	NA
PSM	NA
OpenCPU	●
FOTA	DFOTA
OS Drivers	Linux/Windows
GNSS	NA
TTS	Optional
SMS	NA
Audio	NA
Protocols	TCP/UDP HTTP ECM RNIDS SSL/TLS Built in protocol stack support IPV6
Interfaces	
SIM	x2
USB	x1, USB2.0
UART	x2
SPI	●
ADC	●
GPIO	●
I2S	●
SDIO	NA
I2C	●
Certification	
Regulation	CE/REACH/ROHS2.0
Operator	NA
Industry	NA

* = planning /under development ● = support

