

LTE Module NL668-LA



4 Modes

50Mbps LTE Uplink

150Mbps LTE Downlink

Temperature Range
-40°C~+85°C

Fibocom NL668-LA series is a series of LTE Cat 4 products for Latin America.

NL668-LA LTE module, which is packaged by LCC, supports LTE FDD/TDD, WCDMA and GSM multiple frequency bands. NL668-LA series has the advantages of platform technology solutions. The hardware factory standards lead the industry standards and global standards, as well as NL668-LA series could provide rich software functions.

Industry applications:

M2M applications

Smart Signing & Gateway

Intelligent monitoring

Security



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Product Features

- LTE FDD: Band 1/2/3/4/5/7/8/12/17/28/66
- LTE TDD: Band 38/40
- WCDMA: Band 1/2/3/4/5/8
- GSM: 850/900/1800/1900MHz
- LCC 32x29x2.4mm
- Operating Temperature: -40°C~+85°C
- Storage Temperature: -40°C~+85°C
- Operating Voltage: 3.3V~4.3V typical 3.8V
- AT Command Set: 3GPP TS 27.007 and 27.005, and proprietary FIBOCOM AT commands
- TX Power
 - GSM900: 32.5 dBm±1dB
 - DCS1800: 29.5dBm±1dB
 - WCDMA: 23.5dBm±1dB
 - LTE FDD: 23.0dBm±1dB
 - LTE TDD: 23.0dBm±1dB

Data

- LTE FDD: 150Mbps DL/50Mbps UL
- UMTS: 384 kbps DL/384 kbps UL
- HSPA/HSPA+: 42Mbps DL/5.76Mbps UL
- EDGE: 296Kbps DL/236.8Kbps UL
- GPRS: 107Kbps DL/85.6Kbps UL

Function

- MUX: Basic Mode
- SMS: MO/MT Text and PDU modes
- HTTP(S)/FTP(S)/TCP(S)/UDP/IPV4/IPV6/NITZ/NTP/SSL
- ECM/RNDIS/PPP/Gobinet
- DFOTA/FOAT
- VoLTE/TTS/Recording/FFS/BIP
- GNSS/LBS/AGPS

Interface

- SIM Card: 1.8V/3.0V
- USB 2.0
- UART
- I2C
- PCM/I2S *
- ADC
- SDIO*
- SPI *
- GPIO
- Antenna: Main/Div/GNSS

Driver

- Linux/Android/Windows

Approval

- FCC
- RoHS/HF

Note: * = Planning / In progress

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