

# LTE Module NL668-EU-00



3 Modes

50Mbps LTE Uplink

150Mbps LTE Downlink

Temperature Range  
-40°C~+85°C

Fibocom NL668-EU is a LCC+LGA form factor LTE wireless communication module which supports LTE-FDD/WCDMA/GSM 3 modes. The highest speed can reach Cat 4 150Mbps DL and 50Mbps UL. It can be used in industries such as industrial routing, security, and Internet of Vehicles.



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## Product Features

- Memory: 4Gb NAND+2Gb DDR
- LTE FDD: B 1/3/5/7/8/20
- WCDMA: B1/5/8
- GSM/GPRS/EDGE: 850/900/1800MHz
- LCC +LGA 32x29x2.4mm
- Temperature:
  - Normal Operation: -30~+75°C
  - Extended operation: -40~+85°C
  - Storage Temperature: -40~+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
  - GSM850: 32.5 dBm±1dBm
  - GSM900: 32.5 dBm±1dBm
  - DCS1800: 29.5dBm±1dBm
  - WCDMA : 23.5dBm±1dBm
  - LTE FDD: 23.0dBm±1dBm

## Data

- LTE FDD: 150Mbps DL/50Mbps UL
- WCDMA: 384 kbps DL/384 kbps UL
- DC-HSPA+: 42Mbps DL/5.76Mbps UL
- EDGE: 296Kbps DL/236.8Kbps UL
- GPRS: 107Kbps DL/85.6Kbps UL
- MUX: Basic Mode
- SMS: MO/MT Text and PDU modes
- TCP/UDP(S)/HTTP(S)/FTP(S)/IPv4/IPv6/SSL/TLS/MQTT/PIN G/NTP/FFS/NITZ/PPP/ECM/RNDIS/GobiNet/QMI\_WWAN
- DFOTA/FOAT
- E-Call\*/VoLTE/TTS/Recording/FFS/BIP/NITZ/NTP/SSL/CSD
- GNSS/LBS/A-GPS

## Function

## 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

- Industry: GCF/HF
- Regulation: CE-RED/RoHS