Fibocom
PERFECT WIRELESS EXPERIENCE

LTE Module
NL668-LA-00

4 Modes

50Mbps LTE Uplink

150Mbps LTE Downlink

Temperature Range
-40℃~+85℃

Fibocom NL668-LA is a LCC+LGA form factor LTE wireless communication module which supports LTE FDD/TDD/WCDMA / GSM 4 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.

LTE Module
NL668-LA-00

Product Features

- Memory: 4Gb NAND+2Gb DDR
- LTE FDD: B1/2/3/4/5/7/8/12/17/28/66
- LTE TDD: B38/40
- WCDMA: B1/2/3/4/5/8
- GSM/GPRS/EDGE: 850/900/1800/1900MHz
- LCC +LGA 32x29x2.4mm
- Temperature:
  Normal Operation: -30~+75℃
  Extended operation: -40~+85℃
  Storage Temperature: -40~+90℃
- 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±1dBm
  DCS1800: 29.5dBm±1dBm
  WCDMA: 23.5dBm±1dBm
  LTE FDD: 23.0dBm±1dBm
  LTE TDD: 23.0dBm±1dBm

Data

- LTE FDD: 150Mbps DL/50Mbps UL
- LTE TDD: 130Mbps DL/30.5Mbps 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

Function

- MUX: Basic Mode
- SMS: MO/MT Text and PDU modes
- TCP/UDP(S)/HTTP(S)/FTP(S)/IPv4/IPv6/SSL/TLS/MQTT/PING/NTP/FFS/NITZ/PPP/ECM/RNDIS/GobiNet/QMI_WWAN
- DFOTA/FOAT
- VoLTE/TTS/Recording/FFS/BIP
- GNSS/LBS/A-GPS
- Open Linux*

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: HF
- Regulation: RoHS/FCC

Note: * = Planning / In progress