

# Automotive Module

## NL668-EAU



LTE/ WCDMA/GSM

LTE Downlink/Uplink  
150Mbps/50Mbps

Temperature Range: -40 ~ 85°C

Vehicle TBOX & IVI

NL668-EAU is the LTE Cat 4 wireless communication module launched by FIBOCOM Auto Inc. It adopts LTE 3GPP Rel. 11 technology, and is a 4G communication module released for the European/Asia-pacific/Australian regional market. Supports a maximum downlink rate of 150Mbps and a maximum uplink rate of 50Mbps.

Product from the customer's point of view, built-in rich protocol stack, integration of multiple standard interfaces: support PCM/I2S codec interface, analog audio; Support SDIO interface for WiFi/BT and eMMC; Support SGMII Ethernet interface. Built-in high precision positioning GNSS (GPS/GLONASS/BeiDou/Galileo/QZSS), simplify the customer product design.

NL668-EAU supports a variety of drivers and system software features (USB drivers for Windows/Linux/Android operating systems).

NL668-EAU developed in accordance with the IATF16949 system, followed the APQP process, and supported the PPAP submission standard. Comply with vehicle electrical and electronic equipment environmental conditions.



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## NL-668-EAU



### Product Features

- Chipset; MDM9607
- LTE FDD: Band 1/3/5/7/8/20/28
- LTE TDD: Band 38/40/41
- WCDMA: Band 1/5/8
- GSM/GPRS/EDGE: 850/900/1800MHz

### Basic parameters

- Factor: LCC
- Size: 32x29x2.4mm
- Operating Voltage: 3.3V~4.3V, Typical 3.8V
- Temperature Range: -40~+85°C
- AT Command Set: 3GPP TS 27.007 and 27.005, proprietary FIBOCOM AT commands
- Antenna: 2Antennas + 1GPS

### Data

- LTE FDD: 150Mbps DL/50Mbps UL
- LTE TDD: 130Mbps DL/35Mbps 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

### Functions

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

### Interface

- SIM Card: 1.8V/3.0V
- USB 2.0
- UART
- I2C
- PCM/I2S

- Antenna: Main/Div/GNSS
- ADC
- SDIO
- SPI
- SGMII
- GPIO

### Driver

- Linux 4.1 & Android 9.0

### Approval

- CE-RED/GCF/NCC/RCM
- Telstra\*/Anatel\*
- RoHS/HF\*

### Region

Asia/ Europe/ Australia

Note: \* = Planning \*\* = Developing

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