

# LTE Module

## NL668-EAU MiniPCle



4 Modes

50Mbps LTE Uplink

150Mbps LTE Downlink

Temperature Range  
-40°C~+85°C

NL668-EAU MiniPCle is a MiniPCle form factor LTE wireless communication module which supports LTE-TDD/LTE-FDD/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.



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## NL668-EAU MiniPCle



### Product Features

- LTE FDD: B 1/3/5/7/8/20/28
- LTE TDD: B38/40/41
- WCDMA: B1/5/8
- GSM/GPRS/EDGE: 850/900/1800MHz
- MiniPCle: 51x30x3.7mm
- 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
  - 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/PIN G/NTP/FFS/NITZ/PPP/ECM/RNDIS/GobiNet/QMI\_WWAN
- DFOTA/FOAT
- eCall/SRLTE/VoLTE
- GNSS/LBS

### Interface

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

- GPIO
- System Indicator
- Analog Audio
- Antenna: Main/Div/GNSS

### Driver

- Linux/Android/Windows

### Approval

- Industry: GCF/HF
- Regulation: CE-RED/RCM/NCC/ANATEL/RoHS
- Operator: DTAG/Vodafone

Note: \* = Planning / In progress

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