

# LTE Module NL678-E-MiniPCle



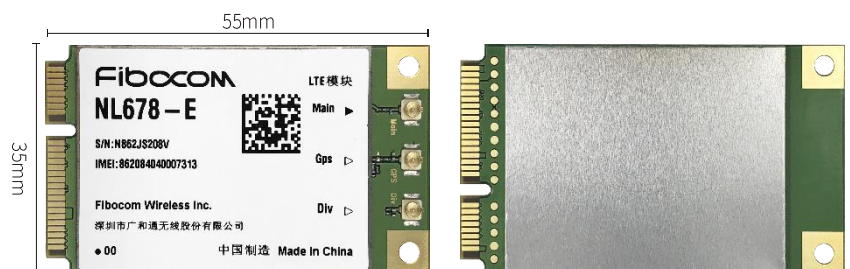
MDM9X40

50Mbps Uplink

390Mbps Downlink

MiniPCle

FIBOCOM NL678-E-MiniPCle-10 is MiniPCle form factor highend LTE wireless communication module which supports LTE-FDD/LTE-TDD/WCDMA. The highest speed can reach Cat 13 390Mbps DL and 50Mbps UL. NL678-E-MiniPCle-10 can cover Europe and the Middle East mobile network. It can be widely used in M2M industry.



# LTE Module

## NL678-E-MiniPCle



### Product Features

- LTE FDD: Band 1/3/5/7/8/20/28/32\*
- LTE TDD: Band 38/40/41
- WCDMA: Band 1/3/5/8
- 2CA Combo: B1+B1/3/5/7/8/20/28, B3+B3/5/7/8/20/28, B5+B7, B7+B7/8/20/28, B38+B38, B40+B40, B41+B41, B20+B32\*
- MiniPCle: 51x30x4.3mm
- Operating Temperature: -30°C~+75°C
- Storage Temperature: -40°C~+85°C
- Operating Voltage: 3.1V~4.4V typical 3.3V
- AT Command Set: 3GPP TS 27.007 and 27.005, and proprietary FIBOCOMAT commands
- TX Power WCDMA : 23.5dBm±1dB LTE FDD: 23.0dBm±1dB LTE TDD: 23.0dBm±1dB

### Data

- LTE FDD CA: 300Mbps DL/50Mbps UL
- LTE TDD CA: 240Mbps DL/30Mbps UL
- UMTS: 384 kbps DL/384 kbps UL
- HSPA/HSPA+: 42Mbps DL/5.76Mbps UL

### Function

- MUX: Basic Mode
- SMS: MO/MT Text and PDU modes
- DHCP/HTTP(S)\*/FTP(S)\*/TCP\*/UDP\*/IPV4V6/SSL\*
- PPP\*/ECM/RNDIS/Gobinet
- DFOTA/FOAT
- VoLTE/Audio/Recording\*/TTS\*/BIP\*/FFS\*
- GNSS\*/LBS\*/CellID\*

### Interface

- SIM Card: 1.8V/3.0V
- USB 2.0
- USB 3.0
- I2C
- PCM
- Analog Audio
- GPIO\*
- Network indicator
- Antenna: Main/Div/GNSS

### Driver

- Linux/Android/Window\*

### Approval

- CE/GCF/FCC/NCC
- RoHS/HF\*

Note: \* = Planning / In progress

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