

LTE Module

NL668-AM-05 MiniPCle



2 Modes

50Mbps LTE Uplink

150Mbps LTE Downlink

Temperature Range
-40°C~+85°C

Fibocom NL668-AM MiniPCle is a MiniPCle form factor LTE wireless communication module which supports LTE-FDD/WCDMA 2 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: 2Gb ROM+1Gb RAM
- LTE FDD: B2/4/5/12/13/17/66/71
- WCDMA: B2/4/5
- MiniPCle: 51x30x3.7mm
- Temperature :
Normal Operation: -30~+75°C
Extended operation: -40~+85°C
Storage Temperature: -40~+90°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
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

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/CellID

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/PTCRB
- Regulation: FCC/IC/RoHS
- Operator: Verizon*/AT&T*/T-Mobile*

Note : * = Planning / In progress