

5G Module FM160-NA



3GPP Release 16

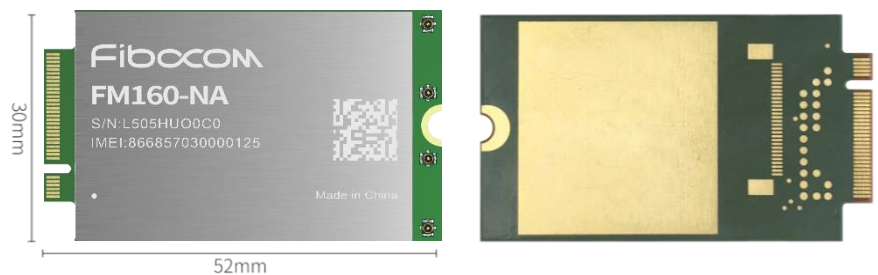
NR/LTE

NR CA

USB 3.1/PCIe 4.0

Fibocom's 5G module FM160-NA is a series of 5G communication modules for North America Market, which support both 5G SA and NSA network architectures with faster transmission speed, better carrying capacity, and lower network latency.

FM160-NA can support 3GPP Release 16 and NR CA. It can support up to LTE Cat19, and can support FDD & TDD ENDC. It has the standard interface of M.2, makes it convenient for customers to update products quickly and respond to the commercial needs of quick landing. It applies to gateway, industrial monitoring, remote medical treatment, UAV, virtual reality and immersive experience (VR and AR).



5G Module FM160-NA



Product Features

- Chipset SDX62
- Support SA/NSA network architecture, support LTE
- 5G Sub-6: n2/5/12/14/25/30/41/48*/70/66/71/77
- LTE FDD: B2/4/5/12/13/29/30/66/71
- LTE TDD: B41/48/46
- 5G NR: DL 4*4 MIMO:
n2/5/12/14/25/30/41/66/70/71/77
UL 2*2 MIMO: n41/77
- LTE : DL 4*4 MIMO: B2/4/5/12/13/25/30/41/48/66/71
UL 1*1 MIMO

Basic parameters

- Factor: M.2; 30 x 52 x 2.3mm
- Weight: ~7.8g
- Operating Voltage: 3.135V~4.4V, Typical 3.8V
- Operating Temperature: -30~+75°C
- Extend Temperature: -40~+85°C
- AT Command Set: 3GPP TS 27.007 and 27.005, proprietary FIBOCOM AT commands
- Antenna: 4 Antennas
- GNSS*: GPS/GLONASS/BeiDou/Galileo/QZSS
- Support FOAT/DFOTA/VoLTE*/VoNR*/Audio*/eSIM(Optional)

Data

- NR SA: 2.5Gbps(DL) / 900Mbps(UL)
- NR NSA: 3.5Gbps(DL) / 555Mbps(UL)
- LTE: 1.6Gbps(DL) / 211Mbps(UL)
- WCDMA: 42Mbps(DL) / 5.76Mbps(UL)

Interface

- GPIO
- I2S x1
- USIM x2 (SIM2 reserve built-in eSIM)
- USB3.1/3.0/2.0 x1
- PCIe4.0 x1

Driver

- Linux / Android / Windows

Approval

- FCC*/IC*/PTCRB*/GCF*/RoHS*/HF*/REACH*

Region

North America

Note: * = Planning / In progress

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