

LTE Module FM101-NA-20



3 Modes

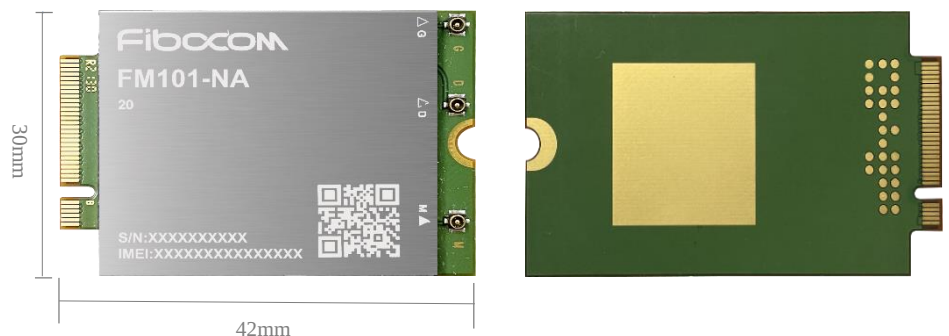
CAT6

North America

Temperature Range
-40°C~+85°C

Fibocom FM101-NA-20 is a M.2 form factor LTE advanced category 6 wireless communication module. It supports 3 modes of LTE-TDD/LTE-FDD/WCDMA . The peak data rates can reach 300Mbps downlink and 50Mbps uplink.

FM101-NA-20 can cover North America mobile network and be used in industries such as CPE, STB, industrial 4.0 and Internet of vehicles.



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Product features

Chipset: SDX12
LTE FDD: B2/4/5/7/12/13/14/17/25/26/29/30/66/71
LTE TDD: B41(194M)/42/43/46/48
WCDMA: B2/4/5

DL 2CA:
2A-2A/4A/5A/12A/13A/14A/29A/30A/46A/48A/66A/71A,
4A-4A/5A/12A/13A/29A/30A/46A/71A,
5A-5A/30A/46A/66A, 7A-7A/12A, 12A-30A/66A,
13A-46A/66A, 14A-30A/66A, 29A-30A/66A,
30A-66A, 46A-66A, 66A-66A/71A, 41A-41A,
2C, 5B, 12B, 41C, 42C, 48C, 66B, 66C

Data

LTE Category: Cat6
LTE: Max. 300Mbps DL / Max. 50Mbps UL
WCDMA: Max. 42 Mbps DL / Max. 5.7 Mbps UL

Driver

Linux / Android / Windows

Region

North America

Basic parameters

Factor: M.2, 30 x 42 x 2.3mm
Operating Voltage: 3.135v~4.4v, Typical 3.8V
Operating Temperature: -30~+75°C
Extend Temperature: -40~+85°C
Storage Temperature: -40~+90°C
AT Command Set:
3GPP TS 27.007 and 27.005, proprietary FIBOCOM
AT commands
Antenna: 2+1 Antennas
GNSS: GPS/GLONASS/BeiDou/Galileo
Support: DFOTA

Interface

USIM ×2 PCM ×1
USB3.0/2.0 ×1 PCIe2.0 ×1
UART ×1 reuse support

Certification

FCC/IC/TSCA/RoHS/HF/GCF/PTCRB
TMO*/ATT/VZW*
Note: * = Planning / In progress