

5G Module FG370-NA-30



5G NR/LTE/WCDMA

Sub 6GHz

SA & NSA

CPE/Gateway complete solution

Fibocom's NA 5G module FG370-NA is a series of 5G communication modules for North America Market, which supports both 5G SA and NSA network architectures with faster transmission speed, better carrying capacity, and lower network latency.

FG370 is equipped with **MTK T830** chip, adopting **4nm** manufacturing process. It supports 5G NR sub-6GHz quad-carrier convergence (4CC CA) 300MHz frequency. FG370 has a built-in 4-core ARM Cortex-A55 2.2 GHz CPU, supporting two **10Gbps USXGMII interfaces**, a variety of LAN port configurations, and a variety of Wi-Fi configurations, providing a complete set of CPE, gateway and other complete machine solutions. FG370 is mainly aimed at intelligent terminals such as fixed wireless access (FWA), CPE, gateway, router, industrial monitoring terminal and telemedicine terminal.



5G Module FG370-NA-30



Product Features

- Chipset: MTK T830(Support 3GPP R16)
- Support SA/NSA Support NR CA
- 5G Sub-6:
n2/5/7/12/14/25/26/29/30/38/41/48/66/70/71/77/78
- LTE FDD: B2/4/5/7/12/13/14/17/25/26/29/30/66/71
- LTE TDD: B38/41/42/43/48
- MIMO(Support LB 4x4 MIMO):
5G NR: DL 4x4 MIMO:
n2/5/7/12/14/25/26/29/30/38/41/48/66/70/71/77/78
UL 2x2 MIMO: n41/77/78/71
LTE: DL 4×4 MIMO:
B2/4/5/7/12/13/14/17/25/26/29/30/38/41/42/43/48/66/71
- 8Rx/3Tx Reserved

Data¹

Downlink:

- NR Sub6: 256QAM / Peak data rate 7.01Gbps
- LTE 256QAM / Peak Rate 1.6Gbps

Uplink:

- NR Sub6: 256QAM / Peak data rate 1.25Gbps
- LTE: 256QAM / Peak Rate 211Mbps

Driver

- Kernel 5.4/OpenWRT 21.02

Region

- North America

Note: * = In progress **=Planning

Note 1: Theoretical rate, actually need to refer to the network configuration

Basic parameters

- Factor: LGA
- Size: 45 x 48 x 2.75mm
- Mem: 2GB DDR+ 4GB Flash
- Operating Voltage: 3.3V~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: 8 Cellular +1 GNSS
- GNSS: GPS/GLONASS/Beidou/Galileo/QZSS
- Support DFOTA*

Interface

- UART
- PCIe4.0
- GPIO
- I2S
- UIM
- USB 3.2 Gen2
- UXSGMII
- SPI master/slave
- I2C master/slave

Approval

- FCC*