Fibocom
PERFECT WIRELESS EXPERIENCE

5G Module
FG360-NA-05

- 5G NR/LTE/WCDMA
- Sub 6GHz
- SA & NSA
- CPE/Gateway complete solution

Fibocom's NA 5G module FG360-NA is a series of 5G communication modules for NA Market, which supports both 5G SA and NSA network architectures with faster transmission speed, better carrying capacity, and lower network latency.

FG360 is equipped with MTK T750 chip, adopting 7nm manufacturing process. It supports 5G NR sub-6GHz dual-carrier convergence (2CC CA) 200MHz frequency. FG360 has a built-in 4-core ARM Cortex-A55 CPU, supporting two 2.5Gbps SGMII 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. FG360 has two regional versions: FG360-EAU and FG360-NA. It is mainly aimed at intelligent terminals such as fixed wireless access (FWA), CPE, gateway, router, industrial monitoring terminal and telemedicine terminal.

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Product Features

- Chipset: MTK T750
- Support SA/NSA Support NR CA
- 5G Sub-6: n25/41/66/71
- LTE FDD: B2/4/5/12/66/71
- LTE TDD: B41
- LAA: B46

- MIMO:
5G NR:
  DL 4×4 MIMO: n25/41/66/71
  UL 2×2 MIMO: n41
LTE: DL 4×4 MIMO:B2/4/41/66/71

Basic parameters

- Factor: LGA
- Size: 41 x 44 x 2.75mm
- Mem: 2GBt+32GB
- 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: 4+1(GNSS)Antennas
- GNSS: GPS/GLONASS/Beidou/Galileo/QZSS
- Support DFOTA*/VoLTE/Audio/eSIM* (optional)

Data[1]

Downlink:
- NR Sub6: 256QAM / Peak data rate 4.67Gbps
- LTE 256QAM / Peak Rate 1.6Gbps

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

Interface

- UART
- GPIO
- MIPI
- SDIO2.0/3.0
- I2S
- UIM
- USB 3.1
- PCIe3.0
- SGMII/HSGMII
- SPI master/slave
- I2C master/slave

Driver

- Kernel 4.19 OpenWRT 19.07

Approval

- FCC*/PTCRB*
- TMO*

Region

- North America

Note： * = In progress **= Planning

Note 1 means the data transmission is theoretical data rate and depends on network condition.

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