

5G Module FG360-NA-03



5G NR/LTE/WCDMA

Sub 6GHz

SA & NSA

CPE / Gateway Solution

Fibocom's 5G module FG360-NA is a series of 5G communication modules for the North American Market, which supports both 5G SA and NSA network architectures with faster transmission speed, better carrying capacity, and lower network latency. FG360-NA-03 is our dedicated model for the the T-mobile 5G Network.

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.



5G Module

FG360-NA-03



Product Features

- Chipset: MT 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:
 - DL 4×4 MIMO: n25/41/66
 - UL 2×2 MIMO: n41
 - LTE: DL 4×4 MIMO: B2/4/41/66

Basic parameters

- Factor: LGA
- Size: 41 x 44 x 2.75mm
- Mem: 16Gbit+256Gbit
- 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/eSIM (reserved)

Data¹

- 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

Certification

- FCC/PTCRB/RoHS/Reach/HF
- TMO

Region

- North America

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