

5G Module FG360-EAU



5G NR/LTE/WCDMA

Sub 6GHz

SA & NSA

CPE/Gateway complete solution

Fibocom's EAU 5G module FG360-EAU is a series of 5G communication modules for EAU 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.



5G Module FG360-EAU



Product Features

- Chipset: MT T750
- Support SA/NSA Support NR CA
- 5G Sub-6: n1/3/5/7/8/20/28(a&b)/38/40/41/77/78/79
- LTE FDD: B1/3/5/7/8/18/19/20/26/28(a&b)/32
- LTE TDD: B38/40/41/42/43/46
- LAA: B46
- WCDMA: B1/5/8
- MIMO:
5G NR: DL 4x4 MIMO: n1/3/7/38/40/41/77/78/79
UL 2x2 MIMO: n41/77/78/79
LTE: DL 4x4 MIMO: B1/3/7/32/38/40/41/42/43

Basic parameters

- Factor: LGA
- Size: 41 x 44 x 2.75mm
- Mem: 8Gbit+8Gbit
- 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: 6+1/8+1(GNSS)Antennas
- GNSS: GPS/GLONASS/Beidou/Galileo/QZSS
- Support DFOTA*/VoLTE/Audio/eSIM* (optional)

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

Approval

- CE*/GCF*/RCM*/RoHS*/HF*/Telstra**
/KT**/VDF**/DT**/KC**

Region

- Asia/Europe/Australia

Note : * = In progress **=Planning

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

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