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5G Module FG370-EAU-31 (DT ODU)

5G NR/LTE

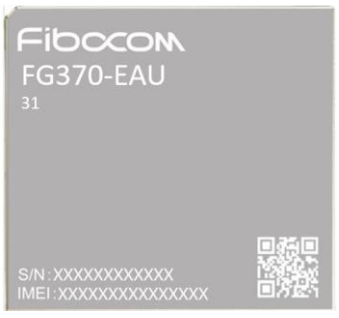
Sub 6GHz

SA & NSA

CPE/Gateway complete solution

Fibocom's EAU 5G module FG370-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.

FG370 is equipped with **MTK T830** chip, adopting **4nm** manufacturing process. It supports 5G NR sub-6GHz dual-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.



Fibocom
股票代码：300638

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Product Features

- Chipset: MTK T830(Support 3GPP R16)
- Support SA/NSA
- Support NR CA
  DL: up to 4CC
  UL: up to 2CC
- NR Band: n1/3/7/8/20/28/75/76/78
- LTE Band: B1/3/7/8/20/28/32
- MIMO:
  NR: DL 4x4 MIMO: n1/3/7/8/20/28/75/76/78
  UL 2x2 MIMO: n28/n78
  LTE: DL 4x4 MIMO: B1/3/7/8/20/28/32

Basic parameters

- Factor: LGA
- Size: 45 x 48 x 2.75mm
- Mem: 1GB 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 Antennas

Data[1]

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

Interface

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

OS Version

- Kernel 5.4/OpenWRT 21.02

Approval

- CE/GCF

Region

- Europe

* = In progress **=Planning
Note 1: Theoretical rate, actually need to refer to the network configuration