

5G Module FG160-EAU



3GPP Release 16

NR/LTE/WCDMA

NR CA

USB 3.1/PCIe 4.0

Fibocom's 5G module FG160-EAU is a series of 5G communication modules for Europe/Australia, which support both 5G SA and NSA network architectures with faster transmission speed, better carrying capacity, and lower network latency.

FG160-EAU can support 3GPP Release 16 and NR CA. It can support up to LTE Cat19, and can support FDD & TDD ENDC. It has the standard interface of LGA, makes it convenient for customers to update products quickly and respond to the commercial needs of quick landing. It applies to gateway, industrial monitoring, remote medical treatment, UAV, virtual reality and immersive experience (VR and AR).



5G Module FG160-EAU



Product Features

- Chipset SDX62
- Support SA/NSA network architecture, support LTE/WCDMA
- 5G Sub-6: n1/3/5/7/8/20/28/38/40/41/75/76/77/78/79
- LTE FDD: B1/3/5/7/8/20/28/32
- LTE TDD: B38/40/41/42/43
- WCDMA: B1/5/8
- 5G NR: DL 4*4 MIMO:
n1/3/5/7/20/28/38/40/41/75/76/77/78/79
UL 2*2MIMO: n41/77/78/79
- LTE : DL 4*4 MIMO:
B1/3/5/7/8/20/28/32/38/40/41/42/43

Basic parameters

- Factor: LGA; 41 x 44 x 2.75mm
- Weight: TBD
- 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(Cellular) + 1(GNSS)
- GNSS: GPS/GLONASS/BeiDou/Galileo/QZSS
- Support
FOAT/DFOTA/VoLTE/VoNR/Audio/eSIM(Optional)

Data

- NR SA: 2.5Gbps(DL) / 900Mbps(UL)
- NR NSA: 3.5Gbps(DL) / 555Mbps(UL)
- LTE: 1.6Gbps(DL) / 211Mbps(UL)
- WCDMA: 42Mbps(DL) / 5.76Mbps(UL)

Interface

- GPIO
- I2S x1
- USIM x2 (SIM2
reserve built-in eSIM)
- UART x 1
- I2C x1
- SPI x1
- USB3.1/3.0/2.0 x1
- PCIe4.0 x1

Driver

- Linux/Windows/Android

Approval

- CE*/RCM*/RoHS*/HF*/REACH*

Region

Europe/Australia

Note: * = Planning / In progress

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