

5G Module FM150-AE



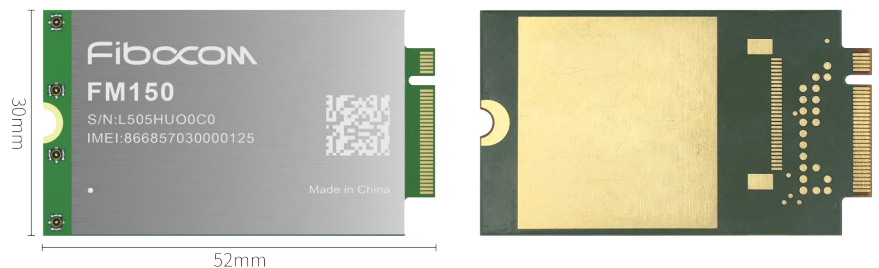
5G NR/LTE/WCDMA

Sub 6GHz

SA & NSA

USB 3.1/PCIe 3.0

Fibocom's first global 5G module FM150-AE is a series of 5G communication modules for Asia/Europe/Australia, which support both 5G SA and NSA network architectures with faster transmission speed, better carrying capacity, and lower network latency. FM150-AE supports the 5G NR Sub6 band, and is compatible with LTE and WCDMA standards, eliminating customers' investment concerns in the initial stage of 5G construction and responding to the commercial demand of rapid landing. The modules provide perfect high-speed experience for customers in the fields of tablet PC, gateway, industrial monitoring, remote medical treatment, UAV, virtual reality and immersive experience (VR and AR).



5G Module FM150-AE



Product Features

- Chipset: SDX55
- Support SA/NSA network architectures, support LTE/WCDMA

Interface

- GPIO
- I2S x1
- UIM x2
- USB3.1/3.0 x1
- USB2.0 x1
- PCIe3.0 x1

Basic parameters

- Factor: M.2; 30 x 52 x 2.3mm
- Weight: ~8.2g
- Operating Voltage: 3.135V~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 Antennas
- GNSS: GPS/GLONASS/BeiDou/Galileo/QZSS
- Support FOAT/DFOTA/VoLTE/Audio/eSIM(optional)

Model	FM150-AE-0X	FM150-AE-1X
Region	China	Asia/Europe/Australia(not include China)
5G Sub-6	n1/28/41/77/78/79	n1/3/5/8/20/28/38/41/77/78/79
LTE FDD	B1/2/3/5/7/8	B1/3/5/7/8/19/20/28
LTE TDD	B34/39/40/41	B38/40/41/42/43
WCDMA	B1/2/5/8	B1/3/5/8/19
MIMO: 5G NR DL	4*4MIMO: n1/41/77/78/79	4*4MIMO: n1/41/77/78/79
MIMO: 5G NR UL	2*2MIMO: n41/77/78/79	2*2MIMO: n41/77/78/79
MIMO: LTE DL	4*4MIMO: B1/41	4*4MIMO: B1/41/42/43
MIMO: LTE UL	1*1MIMO	1*1MIMO
NR SA	2.1Gbps(DL) / 900Mbps(UL)	2.1Gbps(DL) / 900Mbps(UL)
NR ENDC	2.5Gbps(DL) / 525Mbps	2.5Gbps(DL) / 600Mbps(UL)
LTE	600Mbps(DL) / 90.4Mbps(UL)	1Gbps(DL) / 150Mbps(UL)
WCDMA	42Mbps(DL) / 5.76Mbps(UL)	42Mbps(DL) / 5.76Mbps(UL)
OS Drivers	Linux / Android / Windows	Linux / Android / Windows
Regulation	CCC/SRRC/NAL/RoHs	CE*/RCM*/NCC*/KC*
Operator	CMCC/CTCC/CUCC	Optus*/Telstra*/Carriers(TBD)
Industry		GCF*/HF*

Note: * * * = In progress / Planning

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