

5G Module FM350-GL



5G NR, LTE, WCDMA

5G NR SA, NSA

EN-DC

PCIe 3.0

Windows, Linux

The Fibocom's FM350-GL is a multimode 5G, LTE, and WCDMA module that provides Gigabit speed, unleashing the potential of cellular technology to meet high speed bandwidth application demand.

With a rich selection of the frequency bands, FM350-GL provides global mobile network coverage to facilitate product with one SKU, reduces complexity in end product configuration.

The FM350-GL supports 5G NR Sub6 network with up to 4.67Gbps on the downlink and 1.25Gbps on the uplink. It also provides fallback to LTE & WCDMA network.

The FM350-GL is designed with the M.2 30*52 form factor which is ideally suited for integration with Personal Computer (Laptop, Desktop, Tablet, etc.), IoT Gateway and Routers that run Windows, and Linux OS.



5G Module FM350-GL



Product Features

NR FR1 (Sub6): n1, n2, n3, n5, n7, n8, n20, n25, n28a, n28b, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79
LTE: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28(a&b), B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66, B71
LAA: Band 46
WCDMA: Band 1, 2, 4, 5, 8
NR CA: DL 2CC / UL 2CC
LTE CA: DL 5CC / UL 2CC
NR DL 4*4 MIMO: n1, n2, n3, n7, n25, n30, n38, n40, n41(full), n48, n66, n77, n78, n79

LTE DL 4*4 MIMO: B1, B2, B3, B4, B7, B25, B30, B34, B38, B39, B40, B41(full), B42, B43, B48, B66
UL 2*2 MIMO: n41, n77, n78, n79
SRS: n41, n77, n78, n79, Support: 1T2R, 1T4R, 2T4R
CBRS: B48
HPUE: B41, n41, n77, n78, n79

Data

Downlink:

NR FR1 (Sub6) Peak: 4.67Gbps MIMO 4*4, 256QAM
LTE: 1.6Gbps MIMO 4*4, 256QAM
ENDC Peak: 3.74Gbps MIMO 4*4, 256QAM

Uplink:

NR FR1 (Sub6) Peak: 1.25Gbps MIMO: 2*2, 256QAM
LTE: 211Mbps MIMO 1*1, UL 256QAM
ENDC Peak: 835Mbps MIMO 1*1, NR: 256QAM; LTE: 256QAM

Interface

- USIM: 1.8V, 3V
- PCIe Gen 3.0
- I2C
- Body SAR
- MIPI Tuner
- Tunable Antenna

Operating System

- Windows 10, Linux

Approval

Carriers: AT&T, Verizon, T-Mobile, Vodafone, Telefonica, Swisscom, DTAG, CMCC, CUCC, CTCC, Telstra, Optus, Docomo, KDDI, Softbank
Regulatory / Industry : GCF, PTCRB, CCC, CTA, SRRC, CE, IC, FCC, CBRS, JATE, TELEC, RCM
Others: RoHS, Reach, HF, CB, UL
Note : * = Planning / In progress