



# FM350-GL 5G Module

## Perfect Wireless Experience

### FM350-GL 5G Module Technical Specifications

#### 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 1CC (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
- Integrated GPS (L1), GLONASS, BeiDou, Galileo and QZSS
- Assisted GNSS (A-GNSS)
- eSIM on board
- Body SAR
- Antenna Tuner
- Operating Voltage: 3.135V~4.4V, Typical 3.3V
- Operation Temperature: -10 ~ 55°C
- Extended Operation Temperature: -30 ~ 75°C\*\*\*
- Storage Temperature: -40 ~ +85°C
- Form Factor: M.2 S3 Key-B
- Size: 30\*52\*2.3mm
- TX Power: NR & LTE: 23dBm WCDMA: 23.5dBm
- RX Sensitivity: NR & LTE: -98dBm ~ 102dBm

#### Data

##### Downlink:

- NR FR1 (Sub6) Peak: 4.67Gbps MIMO 4\*4, 256QAM
- LTE: 1.6Gbps MIMO 4\*4, 256QAM
- ENDC Peak: 3.74Gbps (4.45Gbps\*\*) MIMO 4\*4, 256QAM

##### Uplink:

- NR FR1 (Sub6) Peak: 1.25Gbps MIMO: 2\*2, 256QAM
- LTE: 150Mbps (~211Mbps\*) MIMO 1\*1, UL 64QAM (256QAM\*)
- ENDC Peak: 700Mbps (~835Mbps\*) MIMO 1\*1, NR: 256QAM; LTE: 64QAM (256QAM\*)

#### Interface

- USIM: 3V/1.8V
- PCIe Gen3 (IPC)
- USB 3.1
- I2C
- UART
- MIPI



#### Driver

- Windows10 & Linux

#### Approval

- GCF, PTCRB, CCC, CTA, SRRC, CE, IC, FCC, CBRS, JATE, TELEC, RCM
- AT&T, Verizon, T-Mobile, Vodafone, Telefonica, Swisscom, DT, CMCC, CUC, CTC, Telstra, Optus, Docomo, KDDI, Softbank

Note: \*Planning \*\*Hardware Support \*\*\* 3Gpp compliant in -10~55 °C , -30~75 °C functional working is planning

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