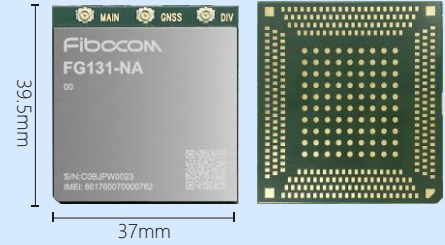


Fibocom FG131-NA-00

5G Sub-6 Module

Key Benefits

- High-performance 5G Sub-6 IoT module
- Compliant with 3GPP Release 17 standards, reducing specification version of 5G NR
- First RedCap Chipset
- Standard LGA form factor, high reliability



NR Sub6

Fibocom FG131-NA-00 is a 5G Sub-6 communication module designed for North America markets. It supports 5G standalone (SA) network architectures to meet mainly for FWA applications.



Release 17

FG131-NA-00 supports 3GPP Release 17, is compatible with the FG101 pin definition, and adds many new networking features and capabilities, including speed/terminal transmitting power.



SA

FG131-NA-00 adopts LGA form factor, and sizes 37(+/-0.15) * 39.5(+/-0.15) * 2.65(+/-0.2) mm.



LGA Package



USB 2.0 high-speed interface

FG131-NA-00 is built with rich Internet protocols and integrates multiple industry-standard interfaces, including (UART, USB2.0, USIM). Meanwhile, it supports Multiple operating systems (Linux/Android/Windows).



Fibocom enhanced AT Commands



Reference design and application development support



Optimized power consumption



5G Sub6		FG131-NA-00
Area	North America	
Product features		
Chipset	SDX35	
Category	Cat6	
Factor	LGA	
Size(mm)	37(+0.15) *39.5(+0.15) *2.65(+0.2)	
Weight	~12g	
NR	n2/5/7/12/13/14/25/26/30/38/41(194M)/48/66/70/71/77/78	
LTE FDD	B2/4/5/7/12/13/14/17/25/26/30/66/71	
LTE TDD	B38/41/42/43/48	
WCDMA	NA	
Antenna	2+1(GNSS)	
Operating Voltage	3.3V~4.4V, Typical 3.8V	
Operating Temperature	-30°C ~ +75°C	
Storage temperature	-40°C ~ +85°C	
2CA(DL):	NA	
AT Command Set	3GPP TS 27.007 and 27.005, proprietary FIBOCOM AT Commands	
Transmission speed		
NR(SA)	Max.220Mbps(DL) /Max. 120Mbps(UL)	
EN-DC	NA	
LTE	Max.195Mbps(DL) / Max.75Mbps(UL)	
WCDMA	NA	
Enhancements		
Support for built-in eSIM (Secure encryption)	optional	
optional (U) SIM card to test	•	
DFOTA	•	
Interface		
USB	USB2.0 x 1	
PCIe	PCIe Gen2	
UART	•	
SPI	•	
GPIO	•	
UICC	UICC x 2	
SDIO	•	
SGMII	•	
I2S	•	
PCM	•	
Certification		
Regulation	FCC*	

