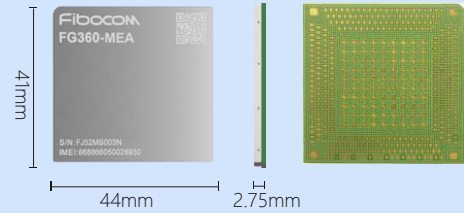


Fibocom FG360-MEA

5G Sub-6 Module



Key Benefits

- High-performance IoT module for the Sub-6 frequency band in 5G networks
- Supports 5G NR Sub-6GHz dual-carrier aggregation (2CC CA) with a bandwidth of 200MHz
- Features a variety of interfaces (2*2.5G SGMII, 4 PCIe Gen3) configurations
- Flexible Wi-Fi 6 configurations (AX1800/AX3600) with high-speed interfaces for FWA market



NR Sub6



Release 15



SA and NSA



LGA Package



CPE/Gateway complete solution



Fibocom enhanced AT Commands



Reference design and application development support



Optimized power consumption

Fibocom FG360-MEA modules, tailored for the Middle Eastern and African market. It supports both 5G standalone (SA) and non-standalone (NSA) network architectures, delivering enhanced transmission speed, greater carrying capacity, and reduced network latency.

The module features the MTK T750 chip, with a 7nm process. Its compact LGA packaging measures 41 x 44 x 2.75mm. It seamlessly incorporates 5G NR Sub-6GHz dual-carrier aggregation (2CC CA) over 200MHz, providing an exceptional 5G broadband experience: up to 4.67Gbps downstream and 1.25Gbps upstream. This version offers 6 and 8 antenna configurations for various customer needs. Utilizing a PCIe 3.0 connects with WiFi chips, supporting various configurations like AX1800/AX3600, thus expanding high-speed wireless network coverage for devices.

The high-speed FG360-MEA 5G module enhances wireless 5G experiences for homes, businesses, and mobile users. It seamlessly integrates with Fixed Wireless Access (FWA) elements like CPE, ODU, gateways, routers, as well as industrial and medical terminals.



5G Sub6	FG360-MEA-05	FG360-MEA-06
Region	Middle East, Africa	
Basic Features		
Package	LGA	
Dimension (mm)	41x44x2.75	
Memory	1GB DDR +8GB Flash	
NR	n1/3/5/7/8/20/28/38/40/41/77/78	
LTE FDD	B1/3/5/7/8/20/28	
LTE TDD	B38/40/41/42/43	
WCDMA	B1/5/8	
Antenna	8	6
MIMO	5G NR	DL 4x4 MIMO: n1/3/7/38/40/41/77/78 UL 2x2 MIMO: n41/77/78
	LTE	DL 4x4 MIMO: B1/3/7/38/40/41/42/43
Operating Voltage	3.3V~4.4V, Typical 3.8V	
Operating Temp.	-30°C - +75°C	
Extend Temp.	-40°C - +85°C	
AT Command	3GPP TS 27.007 and 27.005, proprietary FIBOCOM AT Commands	
Data Transmission		
NR Sub6	256QAM Peak Rate 4.67Gbps(DL) / 256QAM Peak Rate 1.25Gbps (UL)	
LTE	256QAM Peak Rate 1.6Gbps(DL) / 256QAM Peak Rate 211Mbps (UL)	
Enhancements		
eSIM	Optional	
DFOTA	●	
Interfaces		
USB	USB 3.1	
PCIe	PCIe 3.0	
UART	●	
SPI	●	
GPIO	●	
I2C	●	
SDIO	SDIO 2.0/3.0	
UIM	●	
I2S	●	
MIPI	●	
SGMII/HSGMII	●	
Certification		
Regulation	CE*	CE*
Operator	-	-
Industry	-	-

* = planning /under development ● = support

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