

Fibocom FG132 M.2 Series

5G Redcap Wireless Module Designed Specifically for IoT Applications

Key Benefits

- Dual-mode support for 5G RedCap and 4G LTE
- Low latency and low power consumption for 5G
- Rich functionality interfaces greatly expand application scenarios



- Take FG132-GL as an example
- Product rendering is for reference only.
- Certification information is subject to the specifications below



Release 17

Fibocom FG132 M.2 Series is a high-performance 5G Redcap Sub-6 GHz wireless communication module. It supports 3GPP R17 RedCap technology, offering a maximum downlink speed of 223Mbps and uplink speed of 123Mbps under the 5G RedCap network, maximum downlink speed of 195Mbps and uplink speed of 75Mbps under the LTE network. It supports 5G SA networks, backward compatibility with 4G, and caters to 5G private networks and slicing requirements.



5G Redcap

Fibocom FG132 M.2 Series share a standard M.2 PIN layout, offering two size for choice, containing Global version and Chinese version to meet different market demands.



M.2 Package

Positioned for mid-rate IoT markets including industrial routers, Industrial PC, IP cameras, IoT gateways, fixed wireless access terminals, etc.



GNSS



Fibocom Enhanced AT Commands



Professional Reference Design, Evaluation Kits



5G Redcap	FG132-GL-00-M2-10
Region	Global
Basic Features	
Package	M.2
Dimension (mm)	(42.0±0.15) mm x (30.0±0.15) mm x (3.2±0.2) mm
5G NR SA	N1/2/3/5/7/8/12/13/14/18/20/25/26/28/30/38/40/41/48/66/70/71/77/78
LTE Bands	B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/30/34/38/39/40/41/42/43/48/66/71
LTE-HPUE	B38/40/41/42/43
Power Supply	3.3V ~ 4.3V, Typical 3.8V
Operating Temperature	-35° C ~ +75° C
Extended Temperature	-40° C ~ +85° C
ROM+RAM	2Gb+2Gb
Antenna	Main+Div+GNSS
Data Transmission	
5G SA Sub-6 (256QAM)	223Mbps (DL) /123Mbps (UL)
LTE (256QAM)	195Mbps (DL) /75Mbps (UL)
Functions	
Protocols	TCP/UDP/NTP/NITZ/HTTP/PING/HTTPS/SSL/FILE/MQTT/CoAP/LwM2M
FOTA	DFOTA
OS Drivers	Linux/Windows/Android
VoNR/VoLTE	●
GNSS	●
OpenCPU	●
ESIM	Optional
Interfaces	
SIM	●
USB	● USB 2.0
PCIe	●
PCM	●
ANT_CTL	●
LED	●
Certification	
Regulation	FCC / CE / RCM / RoHS / REACH / HF / TSCA / GCF / PTCRB
Operator	T-Mobile*/Verizon*/AT&T*

* = Planning /Under development ● = Support

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