

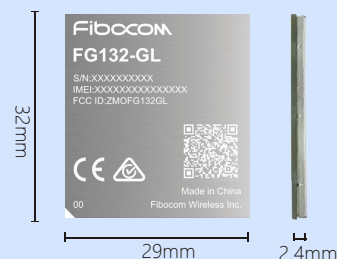
# Fibocom FG132 Series

## 5G Redcap Wireless Module Designed Specifically for IoT Applications

### Key Benefits

- Dual-mode support for 5G RedCap and 4G LTE
- $(32 \pm 0.15)$  mm x  $(29 \pm 0.15)$  mm x  $(2.4 \pm 0.2)$  mm compact size
- Low latency and low power consumption for 5G
- Rich functionality interfaces greatly expand application scenarios
- Offering IoT industry reference designs and customer development support

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



Release 17

Fibocom FG132 series is a high-performance 5G Redcap Sub-6 GHz wireless communication module. This series support 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. Fibocom FG132 series support 5G SA networks, backward compatibility with 4G, and caters to 5G private networks and slicing requirements.



5G Redcap



LGA Package

Featuring compact LGA packaging at  $(32 \pm 0.15)$  mm x  $(29 \pm 0.15)$  mm x  $(2.4 \pm 0.2)$  mm, Fibocom FG132 series share a PIN layout compatible with Fibocom NL668 series Cat 4 and MC116 series Cat 1 modules, facilitating seamless 5G/4G product compatibility design.



Compatible Design

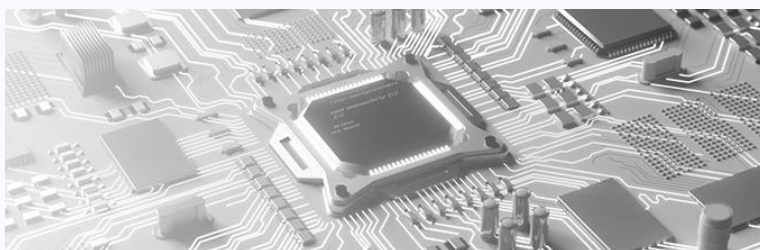
Positioned for mid-rate IoT markets including industrial gateways, security monitoring, fixed wireless access terminals, vehicle installations, and energy applications.



Fibocom Enhanced  
AT Commands



Professional Reference  
Design, Evaluation Kits



5G Redcap	FG132-GL-00	FG132-NA-00/FG132-NA-30	FG132-EAU-00	FG132-CN-00
Region	Global	North America	Europe	China
Basic Features				
Package	LGA			
Dimension (mm)	(32±0.15) mm x (29±0.15) mm x (2.4±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	N2/5/7/12/13/14/25/26/30/38/41/48/66/70/71/77/78	N1/3/5/7/8/20/28/38/40/41/77/78	N1/3/5/8/28/40/41/78/79
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	B2/4/5/7/12/13/14/17/25/26/30/38/41/42/43/48/66/71	B1/3/5/7/8/20/28/38/40/41/42/43	B1/3/5/8/34/38/39/40/41
LTE-HPUE	B38/40/41/42/43	B38/41/42/43	B38/40/41/42/43	B38/41
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	2Gb+2Gb/4Gb+2Gb	2Gb+2Gb	2Gb+2Gb
Antenna	Main+Div+GNSS			
Data Transmission				
5G SA Sub-6 (256QAM)	223Mbps (DL) /123Mbps (UL)			
LTE (256QAM)	195Mbps (DL) /75Mbps (UL)			
Functions				
FOTA	DFOTA			
OS Drivers	Linux/Windows/Android			
VoNR/VoLTE	●			
GNSS	●	●	●	●
OpenCPU	●	●	●	●
ESIM	Optional			
Interfaces				
SIM	x2			
USB	x1, USB 2.0			
UART	x3			
ADC	x2			
SGMII	●			
PCM	●			
PCIe	●			
I2C	●			
SPI	●			
GPIOs	●			
Certification Approvals				
Regulation	FCC/GCF/PTCRB/RoHS/HF/ TSCA /CE/RCM/REACH	FCC/ GCF* / PTCRB* /RoHS/ HF/TSCA	CE/RoHS/REACH	CCC/SRRC/NAL/ROHS
Operator	T-Mobile*/Verizon*/AT&T*	T-Mobile*/Verizon*/AT&T*	NA	NA

\* = Planning /Under development    ● = Support

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