

Technology Breakthrough: Fibocom Introduces Pioneering OpenCPU Solution for 5G FWA, Built with R16-Compliant Module

Fibocom introduces pioneering OpenCPU solution for 5G FWA, built with the R16-compliant module FG160. The solution significantly accelerates product development process while meeting customers' expectations on cost, power consumption as well as security.

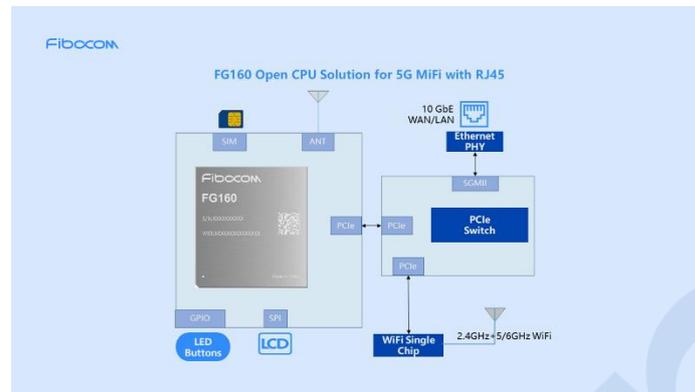
Built with Fibocom's R16-compliant 5G module **FG160**, the solution significantly improves price-performance ratio and competitive advantages, bringing seamless 5G experience to the global Fixed Wireless Access (FWA) market.



Instead of using an external MCU, OpenCPU is an embedded solution that utilizes a module as the main processor, which greatly reduces power consumption of terminal devices with compact size. The solution supports secondary development based on comprehensive application requirements, remote firmware upgrade via OpenCPU FOTA, and secure data transmission. It simplifies circuit design by reducing peripheral devices, which makes hardware design easier for developers as well as improves cost-performance of end devices. Besides, product developers are able to utilize the software system integrated in the module and simplify the development of local communication protocol, facilitating product development process for manufacturers.

The Fibocom OpenCPU solution is equipped with all the above advantages. Integrated with the Fibocom 5G module FG160, it is compliant with the advanced 3GPP Release 16 (R16) standards, supporting Wi-Fi 6E, up to 160 MHz of bandwidth as well as 4096 QAM. The solution also supports wired network deployment, allowing maximum 10Gb Ethernet, satisfying different application requirements. Instead of transferring data via UART, the

FG160 OpenCPU solution pre-configures encryption algorithms, allowing higher security for critical data transmission.



(Fibocom FG160 OpenCPU Solution for 5G MiFi with RJ45)

Specially, the solution integrates FIBO FWA, which is the Fibocom self-developed SDK, offering high flexibility for software developers when creating applications for different products. To date, Fibocom FG160 OpenCPU solution has been successfully verified by practical cases in the field, empowering FWA application scenarios includes MIFI, IDU, ODU, etc.