Written by Marco Attard
29 June 2017

Gigabyte announces the AMD AB350N-Gaming Wifi-- a mini-ITX motherboard based on the AMD B350 chipset featuring a built-in Smart-Fan hybrid fan pin heater and "server-class" components.

The board is designed to support the AMD Wraith Max CPU cooler, a high-performance cooling solution for the latest AMD CPUs, including Ryzen 7 processors. The Wraith Max has larger dimensions and weight, and to support it the AB3650N-Gaming Wifi motherboard features larger zones between the CPU socket and DIMM slots. As a result, it also allows users to install memory modules with larger coolers without any interference.

“Gigabyte has been building strong relationships with AMD. When AMD published the latest Wraith Max, we released a corresponding model to meet the demand,” the company says. “Even more so, Gigabyte’s R&D put great efforts on re-arranging the components on the board in order to make mini motherboards achieve optimal compatibility for larger thermal cooling solutions.”

In addition, the AB350N-Gaming Wifi board uses an International Rectifier digital power design complete with 4th generation PWM controllers, 3rd generation PowlRstage controllers and a new generation of IR all digital power controllers. Smart Fan 5 technology allows users to change fan headers to different locations, read thermal sensors at different motherboard locations, and lower the temperature accordingly.

On the networking side, the board's built-in Realtek GbE LAN features cFosSpeed, a network traffic management application designed to improve latency. Also included are an Intel 802.11ac wifi module and a Bluetooth 4.2 radio.

The board has a one-piece stainless steel shielding design reinforcing the PCIe connectors, allowing it to support heavy graphics cards. As such, it is ideal for customers wanting to build high-performance PCs in very small gaming cases.

Go Gigabyte AB350N-Gaming Wifi