Gigabyte Presents X570 Aorus Motherboards

Written by Frederick Douglas
12 June 2019

Gigabyte readies for the AMD Zen 2-based Ryzen 3000 processor range with the Computex 2019 launch of six Aorus-branded X570 motherboards, with models including the X570 Aorus Pro, Pro I Wi-Fi, Elite, Ultra, Master and Xtreme.

"In anticipation of the release of the AMD X570 chipset and 3rd Gen AMD Ryzen desktop processors, Gigabyte is ready to launch a product series that sets the standard for compatibility and product quality from an AMD platform based motherboard while checking all the boxes for a gaming motherboard," the company says. "Gamers and performance focused users will be impressed with the features that Gigabyte has implemented on the X570 Aorus motherboards. Some of these highlight features include a 16-phase digital power design, PCIe 4.0, high speed network connectivity, RGB Fusion lighting, and a new BIOS UI. Through our professional research and development, we have engineered a product that offers both the performance and stability gamers are looking for when building an AMD platform desktop."

The digital power designs of the ATX motherboards pack at least 14-power phases, with a

Gigabyte Presents X570 Aorus Motherboards

Written by Frederick Douglas
12 June 2019

PowIRstage or DrMOS and different MOSFETs ensuring more stable current flow and better power and thermal management. The flagship Xtreme model features a 16-phase all Infineon digital power design, with each phase able to manage up to 70A. Furthermore, a fins-array stacked fine heatsink, direct touch heatpipes and nanocarbon baseplate provide "incredible amounts of cooling" to the VRM and chipset.

Connectivity comes through PCIe 4.0 allowing for 32GB/s of bandwidth for graphics cards and SSDs. Gigabyte claims the motherboards use "server-grade" PCBs with low inductance and a PCIe 4.0 B-CLK iC to maximise PCIe bandwidth, and the addition of an M.2 PCIe 4.0 riser card allows customers to install up to x4 NVMe M.2 SSDs on one board.

All the X570 Aorus motherboards include Intel GbE LAN, and the Master and Xtreme models provide 2.5 and 10Gbps connection speeds respectively. The wifi-enabled models feature the Intel Wifi 6 802.11ax standard. Select boards also include a sleek I/O shroud design, RGB Fusion LED lighting, Smart Fan, Hifi audio annd Q-Flash Plus technology for easy BIOS updates.

Gigabyte still has to detail when the X570 Aorus motherboards will be available.

Go [Gigabyte Advances to PCIe 4.0 With X570 Aorus Motherboards](#)