



Gigabyte B450 AORUS M Motherboard

Product Specification

Brand	Gigabyte
Model	B450M
Form Factor	Micro ATX
Type	MotherBoard
CPU	Supports AMD Ryzen 5000 series processors 3rd Gen Ryzen 2nd Gen Ryzen 1st Gen Ryzen 2nd Gen Ryzen with Radeon Vega Graphics 1st Gen Ryzen with Radeon Vega Graphics/ Athlon with Radeon Vega Graphics Processors
Memory Type	4 x DDR4 DIMM sockets supporting up to 128 GB of system memory Dual channel memory architecture Support for DDR4 3600(O.C.) / 3466(O.C.) / 3200(O.C.) / 2933/2667/2400/2133 MHz memory modules Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode) Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules Support for Extreme Memory Profile (XMP) memory modules
Audio	Realtek Audio CODEC High Definition Audio 2/4/5.1/7.1-channel Support for S/PDIF Out
LAN	Realtek GbE LAN chip (10/100/1000 Mbit)
Expansion Slots	1 x PCI Express x16 slot, running at x16 (PCIEX16) 1 x PCI Express x16 slot, running at x4 (PCIEX4) 1 x PCI Express x1 slot
Storage Interface	1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 SATA and PCIe 3.0 x4/x2 SSD support) 6 x SATA 6Gb/s connectors Support for RAID 0, RAID 1, and RAID 10
USB	2 x USB 3.1 Gen 2 Type-A ports (red) on the back panel 2 x USB 3.1 Gen 1 ports available through the internal USB header 6 x USB 2.0/1.1 ports (2 ports on the back panel, 4 ports available through the internal USB headers) 4 x USB 3.1 Gen 1 ports on the back panel

Internal I/O Connectors	1 x 24-pin ATX main power connector 1 x 8-pin ATX 12V power connector 1 x CPU fan header 2 x system fan headers 1 x M.2 Socket 3 connector 6 x SATA 6Gb/s connectors 1 x CPU cooler LED strip/RGB LED strip header 1 x RGB (RGBW) LED strip header 2 x digital LED strip headers 2 x digital LED strip power select jumpers 1 x front panel header 1 x front panel audio header 1 x S/PDIF Out header 1 x USB 3.1 Gen 1 header 2 x USB 2.0/1.1 headers 1 x Trusted Platform Module (TPM) header (2x10 pin, for the GC-TPM2.0 module only) 1 x serial port header 1 x parallel port header 1 x Clear CMOS jumper
Back Panel Connectors	1 x PS/2 keyboard/mouse port 1 x DVI-D port 1 x HDMI port 2 x USB 3.1 Gen 2 Type-A ports (red) 4 x USB 3.1 Gen 1 ports 2 x USB 2.0/1.1 ports 1 x RJ-45 port 6 x audio jacks
BIOS	2 x 128 Mbit flash Use of licensed AMI UEFI BIOS Support for DualBIOS PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0