

## GIGABYTE B450 AORUS Elite V2 Motherboard - Supports AMD Series 5000 CPUs, up to 3600MHz DDR4 (OC), 2xPCIe 3.0 x4 M.2, WIFI, GbE LAN, USB 3.1 Gen 1

**Brand :** GIGABYTE

**Product code:** B450 AORUS ELITE V2

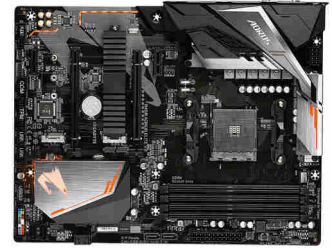
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Socket AM4, AMD B450 Chipset, 4 x DDR4-SDRAM up to 128GB, LAN, 1 x RJ-45, 6 x SATA III, 2 x M.2(M), UEFI AMI, ATX

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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge technology.



| Processor                                      |  | Rear panel I/O ports                       |                  |
|--|--|--|------------------|
| Processor manufacturer *                       | AMD  | HDMI ports quantity *                      | 1                |
| Processor socket *                             | Socket AM4                                   | DVI-D ports quantity *                     | 1                |
| Compatible processor series *                  | AMD Ryzen 2000 Series, AMD Ryzen 3000 Series | Network                                    |                  |
| Supported processor sockets                    | Socket AM4                                   | Ethernet LAN                               | ✓                |
| Maximum internal memory supported by processor | 128 GB                                       | Ethernet interface type                    | Gigabit Ethernet |
| Memory   |  | Wi-Fi *                                    | ✗                |
| Supported memory types *                       | DDR4-SDRAM                                   | Features                                   |                  |
| Number of memory slots *                       | 4  | Motherboard chipset *                      | AMD B450         |
| Memory slots type                              | DIMM   | Audio chip                                 | Realtek ALC892   |
| Memory channels                                | Dual-channel                                 | Audio output channels *                    | 7.1 channels     |
| ECC compatibility                              | ECC & Non-ECC                                | Component for *                            | PC               |
| Supported memory clock speeds                  | 2133,2400,2667,2933,3200,3466,3600 MHz       | Motherboard form factor *                  | ATX              |
| Supported memory clock speed (max)             | 3600 MHz                                     | Motherboard chipset family *               | AMD              |
| Maximum internal memory *                      | 128 GB                                       | Windows operating systems supported        | Windows 10 x64   |
| Storage controllers                            |  | Expansion slots                            |                  |
| Supported storage drive types                  | HDD & SSD                                    | PCI Express x1 (Gen 2.x) slots             | 2                |
| Supported storage drive interfaces *           | M.2, SATA III                                | PCI Express x16 (Gen 3.x) slots            | 1                |
| Number of HDDs supported                       | 6  | PCI Express x16 (Gen 4.x) slots            | 1                |
| Number of storage drives supported             | 8  | Number of M.2 (M) slots                    | 2                |
| RAID support                                   | ✓  | BIOS                                       |                  |
| RAID levels                                    | 0, 1, 10                                     | BIOS type *                                | UEFI AMI         |
| Graphics                                       |  | BIOS memory size                           | 128 Mbit         |
| Parallel processing technology support *       | Not supported                                | ACPI version                               | 5.0              |
| DirectX version                                | 12.0   | Clear CMOS jumper                          | ✓                |
| Internal I/O                                   |  | Clear CMOS button                          | ✓                |
| USB 2.0 connectors *                           | 2  | Desktop Management Interface (DMI) version | 2.7              |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *         | 1  | System Management BIOS (SMBIOS) version    | 2.7              |
| Number of SATA III connectors *                | 6  | Logistics data                             |                  |
|  |  | Country of origin                          | China            |

| Internal I/O                                      |   | Logistics data                     |                                    |
|---|---|------------------------------------|------------------------------------|
| Total number of SATA connectors                   | 6 | Products per shipping (inner) case | 1 pc(s)                            |
| S/DPDIF out connector                             | ✓ | Harmonized System (HS) code        | 84733020                           |
| Front panel audio connector                       | ✓ | <b>Battery</b>                     |                                    |
| Front panel connector                             | ✓ | Battery weight                     | 3 g                                |
| ATX Power connector (24-pin)                      | ✓ | Lithium weight per battery         | 0.07 g                             |
| CPU fan connector                                 | ✓ | Number of battery cells            | 1                                  |
| TPM connector                                     | ✓ | Battery technology                 | Lithium-Manganese Dioxide (LiMnO2) |
| Serial port headers                               | 1 | Battery type                       | CR2032                             |
| 12V power connector                               | ✓ | <b>Packaging data</b>              |                                    |
| RGB LED pin header                                | ✓ | Package width                      | 365 mm                             |
| <b>Rear panel I/O ports</b>                       |   | Package depth                      | 575 mm                             |
| USB 2.0 ports quantity *                          | 4 | Package height                     | 375 mm                             |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4 | Package weight                     | 1.39 kg                            |
| Ethernet LAN (RJ-45) ports *                      | 1 | <b>Weight &amp; dimensions</b>     |                                    |
| PS/2 ports quantity                               | 1 | Height                             | 35 mm                              |
|   |   | <b>Packaging content</b>           |                                    |
|   |   | Batteries included                 | ✓                                  |
|   |   | <b>Technical details</b>           |                                    |
|   |   | Warranty period                    | 3 year(s)                          |



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