

GIGABYTE B650E AORUS STEALTH ICE Motherboard - Supports AMD Ryzen 9000 CPUs, 12+2+2 phases VRM, up to 8000MHz DDR5 (OC), 1xPCIe 5.0 M2 + 3xPCIe 4.0 M.2, Wi-Fi 7, 2.5GbE LAN, USB 3.2 Gen 2x2



Brand : GIGABYTE

Product code: B650E AORUS STEALTH ICE

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| Processor | | Rear panel I/O ports | |
|------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------|
| Processor manufacturer * | AMD | HDMI ports quantity * | 1 |
| Processor socket * | Socket AM5 | HDMI version | 2.1 |
| Compatible processor series * | AMD Ryzen™ 7 | DisplayPorts quantity | 1 |
| Maximum number of SMP processors | 1 | DisplayPort version | 1.4 |
| Supported processor sockets | Socket AM5 | Network | |
| Maximum internal memory supported by processor | 192 GB | Ethernet LAN | ✓ |
| Memory | | Ethernet interface type | 2.5 Gigabit Ethernet |
| Supported memory types * | DDR5-SDRAM | Wi-Fi * | ✓ |
| Number of memory slots * | 4 | Top Wi-Fi standard | Wi-Fi 7 (802.11be) |
| Memory slots type | DIMM | Wi-Fi standards | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 7 (802.11be) |
| Memory channels | Dual-channel | WLAN controller model | MediaTek MT7925 |
| ECC | ✓ | Bluetooth | ✓ |
| Non-ECC | ✓ | Bluetooth version | 5.4 |
| Supported memory clock speeds | 4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7600,7800,8000 MHz | Features | |
| Supported memory clock speed (max) | 8000 MHz | Motherboard chipset * | AMD B650 |
| Maximum internal memory * | 192 GB | Audio output channels * | 7.1 channels |
| Supported memory module capacities | 1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 24GB, 32GB, 40GB, 48GB | Product colour | White |
| Unbuffered memory | ✓ | PC health monitoring | Fan, Temperature, Voltage |
| Storage controllers | | Component for * | PC |
| Supported storage drive types | HDD & SSD | Motherboard form factor * | ATX |
| Supported storage drive interfaces * | M.2, SATA III | Motherboard chipset family * | AMD |
| Number of HDDs supported | 4 | Windows operating systems supported | Windows 11 x64 |
| Number of storage drives supported | 7 | Expansion slots | |
| RAID support | ✓ | PCI Express x16 slots | 3 |
| RAID levels | 0, 1, 5, 10 | Number of M.2 (M) slots | 3 |
| Graphics | | BIOS | |
| Maximum resolution | 4096 x 2160 pixels | BIOS type * | UEFI AMI |
| HDCP | ✓ | BIOS memory size | 256 Mbit |
| DirectX version | 12.1 | ACPI version | 5.0 |
| Internal I/O | | | |
| USB 2.0 connectors * | 2 | | |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 | | |

| | | | |
|---------------------------------------------------|---|--------------------------------------------|--------------------------------------------------------------------------|
| Internal I/O | | BIOS | |
| USB 3.2 Gen 2x2 connectors | 1 | Clear CMOS jumper | ✓ |
| Number of SATA III connectors * | 4 | Clear CMOS button | ✓ |
| Total number of SATA connectors | 4 | Desktop Management Interface (DMI) version | 2.7 |
| Front panel audio connector | ✓ | System Management BIOS (SMBIOS) version | 2.7 |
| Front panel connector | ✓ | Logistics data | |
| ATX Power connector (24-pin) | ✓ | Country of origin | China |
| CPU fan connector | ✓ | Products per shipping (inner) case | 1 pc(s) |
| Number of chassis fan connectors | 4 | Battery | |
| 12V power connector | ✓ | Battery weight | 3 g |
| RGB LED pin header | ✓ | Lithium weight per battery | 0.07 g |
| Rear panel I/O ports | | Number of battery cells | 1 |
| USB 2.0 ports quantity * | 4 | Battery technology | Lithium-Manganese Dioxide (LiMnO2) |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 5 | Battery type | CR2032 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2 | Packaging data | |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1 | Package width | 345 mm |
| Ethernet LAN (RJ-45) ports * | 1 | Package depth | 294 mm |
| | | Package height | 80 mm |
| | | Package weight | 3.56 kg |
| | | Weight & dimensions | |
| | | Width | 305 mm |
| | | Depth | 244 mm |
| | | Height | 35 mm |
| | | Packaging content | |
| | | Cables included | SATA |
| | | Batteries included | ✓ |
| | | Drivers included | ✓ |
| | | Bundled software | Norton Internet Security (OEM version) LAN bandwidth management software |
| | | Technical details | |
| | | Warranty period | 3 year(s) |



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