

Gigabyte Z690I AORUS ULTRA DDR4 motherboard Intel Z690 LGA 1700 Micro ITX

Brand : Gigabyte

Product code: Z690I AORUS ULTRA DDR4

Product name : Z690I AORUS ULTRA DDR4

LGA 1700, Intel Z690 Express Chipset, 2 x DDR4-SDRAM up to 64GB, LAN, WLAN, 1 x RJ-45, 4 x SATA III, UEFI AMI, Micro ITX

Gigabyte Z690I AORUS ULTRA DDR4. Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible processor series: Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9. Supported memory types: DDR4-SDRAM, Maximum internal memory: 64 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, PCI Express 5.0, SATA, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Maximum resolution: 4096 x 2160 pixels. Ethernet interface type: 2.5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 6 (802.11ax), Wi-Fi standards: 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)



| Processor | | Rear panel I/O ports | |
|--|---|---|--|
| Processor manufacturer * | Intel | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 |
| Processor socket * | LGA 1700 | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 3 |
| Compatible processor series * | Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9 | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1 |
| Memory | | Ethernet LAN (RJ-45) ports * | 1 |
| Supported memory types * | DDR4-SDRAM | HDMI ports quantity * | 1 |
| Number of memory slots * | 2 | DisplayPorts quantity | 1 |
| Memory slots type | DIMM | Network | |
| Memory channels | Dual-channel | Ethernet LAN | ✓ |
| ECC | ✓ | Ethernet interface type | 2.5 Gigabit Ethernet |
| Non-ECC | ✓ | Wi-Fi * | ✓ |
| Supported memory clock speeds | 4000,4800,5200,5400,5600,5800,6000 MHz | Top Wi-Fi standard | Wi-Fi 6 (802.11ax) |
| Maximum internal memory * | 64 GB | Wi-Fi standards | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax) |
| Unbuffered memory | ✓ | WLAN controller model | Intel Wi-Fi 6 AX201 |
| Storage controllers | | Bluetooth | ✓ |
| Supported storage drive types | HDD & SSD | Bluetooth version | 5.2 |
| Supported storage drive interfaces * | M.2, PCI Express 5.0, SATA | Features | |
| RAID support | ✓ | Motherboard chipset * | Intel Z690 |
| RAID levels | 0, 1, 5, 10 | Audio output channels * | 2.0 channels |
| Graphics | | PC health monitoring | Fan, Temperature, Voltage, Water cooling |
| Maximum resolution | 4096 x 2160 pixels | Component for * | PC |
| HDCP | ✓ | Motherboard form factor * | Micro ITX |
| Internal I/O | | Motherboard chipset family * | Intel |
| USB 2.0 connectors * | 1 | Windows operating systems supported | Windows 10 x64, Windows 11 x64 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 | Expansion slots | |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors * | 1 | PCI Express x16 slots | 1 |
| Number of SATA III connectors * | 4 | | |
| Front panel audio connector | ✓ | | |
| Front panel connector | ✓ | | |

| Internal I/O | | BIOS | |
|----------------------------------|---|--|--|
| ATX Power connector (24-pin) | ✓ | BIOS type * | UEFI AMI |
| CPU fan connector | ✓ | BIOS memory size | 256 Mbit |
| Number of chassis fan connectors | 1 | ACPI version | 5.0 |
| EPS power connector (8-pin) | ✓ | Clear CMOS jumper | ✓ |
| Rear panel I/O ports | | Desktop Management Interface (DMI) version | 2.7 |
| USB 2.0 ports quantity * | 2 | System Management BIOS (SMBIOS) version | 2.7 |
| Weight & dimensions | | | |
| | | Width | 170 mm |
| | | Depth | 170 mm |
| Packaging content | | | |
| | | Bundled software | Norton Internet Security (OEM version) cFosSpeed |



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