



B650 AORUS ELITE AX ICE

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CPU

AMD Socket AM5, support for:
AMD Ryzen™ 7000/ Ryzen™ 8000 Series Processors
* Please refer to "CPU Support List" for more information.

Chipset

AMD B650

Memória

Support for DDR5
8000(OC)/7800(OC)/7600(OC)/7200(OC)/7000(OC)/6800(OC)/6666(OC)/6600(OC)/6400(OC)/6200(OC)/
6000(OC)/5600(OC)/5200/4800/4400 MT/s memory modules
4 x DDR5 DIMM sockets supporting up to 192 GB (48 GB single DIMM capacity) of system memory
Dual channel memory architecture
Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules
Support for AMD EXtended Profiles for Overclocking (AMD EXPO™) and Extreme Memory Profile (XMP) memory module
(The CPU and memory configuration may affect the supported memory types, data rate (speed), and number of DRAM
modules, please refer to "Memory Support List" for more information.)

Gráficos Onboard

Integrated Graphics Processor with AMD Radeon™ Graphics support:
- 1 x DisplayPort, supporting a maximum resolution of 3840x2160@144 Hz
* Support for DisplayPort 1.4 version and HDR.

- 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz
* Support for HDMI 2.1 version and HDCP 2.3.
** Support for native HDMI 2.1 TMDS compatible ports.

(Graphics specifications may vary depending on CPU support.)

Áudio

Realtek® Audio CODEC
High Definition Audio
2/4/5.1/7.1-channel

* You can change the functionality of an audio jack using the audio software. To configure 7.1-channel audio, access the audio software for audio settings.

LAN

Realtek® 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)



Compare

Clear All

Slots de Expansão

1 x PCI Express x16 slot (PCIEX16), integrated in the CPU:

- AMD Ryzen™ 7000 Series Processors support PCIe 4.0 x16 mode
- AMD Ryzen™ 8000 Series-Phoenix 1 Processors support PCIe 4.0 x8 mode
- AMD Ryzen™ 8000 Series-Phoenix 2 Processors support PCIe 4.0 x4 mode

* The PCIEX16 slot can only support a graphics card or an NVMe SSD. If only one graphics card is to be installed, be sure to install it in the PCIEX16 slot.

Chipset:

- 2 x PCI Express x16 slots, supporting PCIe 3.0 and running at x1 (PCIEX1_1/2)

Interface de Armazenamento

1 x M.2 connector (M2A_CPU), integrated in the CPU, supporting Socket 3, M key, type 25110/2580 SSDs:

- AMD Ryzen™ 7000 Series Processors support PCIe 5.0 x4/x2 SSDs
- AMD Ryzen™ 8000 Series-Phoenix 1 Processors support PCIe 4.0 x4/x2 SSDs
- AMD Ryzen™ 8000 Series-Phoenix 2 Processors support PCIe 4.0 x4/x2 SSDs

1 x M.2 connector (M2B_CPU), integrated in the CPU, supporting Socket 3, M key, type 25110/2580 SSDs:

- AMD Ryzen™ 7000 Series Processors support PCIe 4.0 x4/x2 SSDs
- AMD Ryzen™ 8000 Series-Phoenix 1 Processors support PCIe 4.0 x4/x2 SSDs
- AMD Ryzen™ 8000 Series-Phoenix 2 Processors support PCIe 4.0 x2 SSDs

1 x M.2 connector (M2C_SB), integrated in the Chipset, supporting Socket 3, M key, type 25110/2580 PCIe 4.0 x4/x2 SSDs

4 x SATA 6Gb/s connectors

RAID 0, RAID 1, and RAID 10 support for NVMe SSD storage devices

RAID 0, RAID 1, and RAID 10 support for SATA storage devices

USB

CPU:

- 1 x USB Type-C® port on the back panel, with USB 3.2 Gen 2 support
- 2 x USB 3.2 Gen 2 Type-A ports (red) on the back panel

CPU + USB 2.0 Hub:

- 4 x USB 2.0/1.1 ports on the back panel

Chipset:

- 1 x USB Type-C® port with USB 3.2 Gen 2x2 support, available through the internal USB header
- 3 x USB 3.2 Gen 1 ports (1 port on the back panel, 2 ports available through the internal USB header)
- 4 x USB 2.0/1.1 ports available through the internal USB headers

Chipset+USB 3.2 Gen 1 Hub:

- 4 x USB 3.2 Gen 1 ports on the back panel



Clear All

Conectores Internos I/O

1 x system fan/water cooling pump header
 3 x addressable RGB Gen2 LED strip headers
 1 x RGB LED strip header
 3 x M.2 Socket 3 connectors
 4 x SATA 6Gb/s connectors
 1 x front panel header
 1 x front panel audio header
 1 x USB Type-C® header, with USB 3.2 Gen 2x2 support
 1 x USB 3.2 Gen 1 header
 2 x USB 2.0/1.1 headers
 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0/GC-TPM2.0 SPI V2 module only)
 1 x reset button
 1 x reset jumper
 1 x Clear CMOS jumper

Conectores Painel Traseiro

1 x Q-Flash Plus button
 2 x SMA antenna connectors (2T2R)jk
 1 x DisplayPort
 1 x HDMI port
 1 x USB Type-C® port, with USB 3.2 Gen 2 support
 2 x USB 3.2 Gen 2 Type-A ports (red)
 5 x USB 3.2 Gen 1 ports
 4 x USB 2.0/1.1 ports
 1 x RJ-45 port
 3 x audio jacks

Controlador I/O

iTE® I/O Controller Chip

Monitoramento H/W

Voltage detection
 Temperature detection
 Fan speed detection
 Water cooling flow rate detection
 Fan fail warning
 Fan speed control

* Whether the fan (pump) speed control function is supported will depend on the fan (pump) you install.



Clear All

Características Exclusivas

specifications.

- Support for Q-Flash
- Support for Q-Flash Plus

Pacote de Software

Norton® Internet Security (OEM version)
LAN bandwidth management software

Sistema Operacional

Support for Windows 11 64-bit
Support for Windows 10 64-bit

Form Factor

ATX Form Factor; 30.5cm x 24.4cm



* Os termos e expressões “HDMI”, “HDMI High-Definition Multimedia Interface” e “Trade dress da HDMI”, e os Logotipos da HDMI são marcas comerciais ou marcas registradas da HDMI Licensing Administrator, Inc.

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* Devido a arquitetura padrão PC, uma quantia de memória é reservada para uso do sistema, portanto o tamanho da memória é menor do que a quantia exibida

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