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B650M GAMING X AX (rev. 1.0/1.1/1.2)

[rev. 1.3](#)

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AMD B650 Chipset

[Lista de Comparativos](#)

CPU

- 1. AMD Socket AM5, support for: AMD Ryzen™ 7000 Series Processors

(Please refer "CPU Support List" for more information.)

Chipset

- 1. AMD B650

Memória

- 1. Support for DDR5 8000(OC)/ 7800(OC)/ 7600(OC)/ 7200(OC)/ 7000(OC)/ 6800(OC)/ 6600(OC)/ 6400(OC)/ 6200(OC)/ 6000(OC)/ 5600(OC)/ 5200/ 4800 MT/s memory modules

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EXPO™) and Extreme Memory Profile (XMP) memory modules

(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.)

Integrated Graphics Processor:**Gráficos Onboard**

1. 2 x DisplayPorts, supporting a maximum resolution of 3840x2160@144 Hz
 - * Support for DisplayPort 1.4 version.
2. 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz
 - * Support for HDMI 2.1 version and HDCP 2.3.
 - ** Support native HDMI 2.1 TMDS compatible ports.

(Graphics specifications may vary depending on CPU support.)

Support for up to 3 displays at the same time

Áudio

1. Realtek® Audio CODEC
2. High Definition Audio

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LAN1. Realtek[™] 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)

AMD Wi-Fi 6E RZ616 (MT7922A22M) (For PCB rev. 1.0/1.2)

1. WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands
2. BLUETOOTH 5.2
3. Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate

Wireless Communication moduleIntel[®] Wi-Fi 6E AX210 (For PCB rev. 1.1)

1. WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands
2. BLUETOOTH 5.3
3. Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate

(Actual data rate may vary depending on environment and equipment.)

Slots de Expansão

CPU:

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(PCIEX1)

Interface de Armazenamento**CPU:**

1. 2 x M.2 connectors (Socket 3, M key, type 25110/2280 PCIe 4.0 x4/x2 SSD support)

Chipset:

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

CPU + USB 2.0 Hub:

1. 4 x USB 2.0/1.1 ports on the back panel

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5. 4 x USB 2.0/1.1 ports available through the internal USB headers

Conectores Internos I/O

1. 1 x 24-pin ATX main power connector
 2. 1 x 8-pin ATX 12V power connector
 3. 1 x CPU fan header
 4. 3 x system fan headers
 5. 1 x addressable LED strip header
 6. 1 x RGB LED strip header
 7. 2 x M.2 Socket 3 connectors
 8. 4 x SATA 6Gb/s connectors
 9. 1 x front panel header
 10. 1 x front panel audio header
 11. 1 x USB Type-C[®] header, with USB 3.2 Gen 2 support
 12. 1 x USB 3.2 Gen 1 header
 13. 2 x USB 2.0/1.1 headers
 14. 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only)
 15. 1 x serial port header
 16. 1 x reset button
 17. 1 x reset jumper
 18. 1 x Clear CMOS jumper
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Painel Traseiro**

6. 1 x USB 3.2 Gen 2 Type-A port (red)
7. 1 x USB Type-C[®] port, with USB 3.2 Gen 2 support
8. 1 x Q-Flash Plus button
9. 1 x RJ-45 port
10. 2 x USB 3.2 Gen 1 ports
11. 3 x audio jacks

Controlador I/O

1. iTE[®] I/O Controller Chip

**Monitoramento
H/W**

1. Voltage detection
2. Temperature detection
3. Fan speed detection
4. Fan fail warning
5. Fan speed control

* Whether the fan speed control function is supported will depend on the cooler you install.

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**Características
Exclusivas**

1. Support for GIGABYTE Control Center (GCC)
* Available applications in GCC may vary by motherboard model.
Supported functions of each application may also vary depending on motherboard specifications.
2. Support for Q-Flash
3. Support for Q-Flash Plus

**Pacote de
Software**

1. Norton[®] Internet Security (OEM version)
2. LAN bandwidth management software

**Sistema
Operacional**

1. Support for Windows 11 64-bit
2. Support for Windows 10 64-bit

Form Factor

1. Micro ATX Form Factor; 24.4cm x 24.4cm
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revisar o conteúdo a qualquer momento sem aviso prévio.

* Todas as marcas e logotipos são de propriedade de suas respectivas proprietárias.

* 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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