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Z790 UD (rev. 1.0)

CaracterísticasEspecificaçãoSuporteCompre

Intel® Z790 Chipset

☐ Lista de Comparativos

CPU

- 1. LGA1700 socket: Support for the 14th, 13th, and 12th Generation Intel® Core™, Pentium® Gold and Celeron® Processors
- 2. L3 cache varies with CPU

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

Chipset

- 1. Intel® Z790 Express Chipset

Memória

- 1. Support for DDR5 7600(O.C.) /7400(O.C.) /7200(O.C.) /7000(O.C.) /6800(O.C.) /6600(O.C.) / 6400(O.C.) / 6200(O.C.) / 6000(O.C.) / 5800(O.C.) / 5600(O.C.) / 5400(O.C.) / 5200(O.C.) / 4800 / 4000 memory modules
- 2. 4 x DDR5 DIMM sockets supporting up to 192 GB (48 GB single DIMM capacity) of system memory
- 3. Dual channel memory architecture

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Compare up to 4 models in this product category

Compare

Clear All

(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-Intel® HD Graphics support:

1. 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz
* Support for HDMI 2.0 version and HDCP 2.3.
2. 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz
* Support for DisplayPort 1.2 version and HDCP 2.3

(Graphics specifications may vary depending on CPU support.)

Áudio

1. Realtek® Audio CODEC
2. High Definition Audio
3. 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.

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Slots de Expansão

CPU:

- 1. 1 x PCI Express x16 slot, supporting PCIe 5.0 and running at x16 (PCIEX16)
* For optimum performance, if only one PCI Express graphics card is to be installed, be sure to install it in the PCIEX16 slot.

Chipset:

- 1. 1 x PCI Express x16 slot, supporting PCIe 4.0 and running at x4 (PCIEX4)
- 2. 1 x PCI Express x16 slot, supporting PCIe 3.0 and running at x1 (PCIEX1_4)
- 3. 2 x PCI Express x1 slots, supporting PCIe 3.0 and running at x1 (PCIEX1_2, PCIEX1_3)

Support for AMD CrossFire™ technology (PCIEX16 and PCIEX4)

Interface de Armazenamento

CPU:

- 1. 1 x M.2 connector (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2A_CPU)

Chipset:

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RAID 0, RAID 1, RAID 5, and RAID 10 support for SATA storage devices

USB

Chipset:

- 1. 1 x USB Type-C[®] port on the back panel, with USB 3.2 Gen 2x2 support
- 2. 1 x USB Type-C[®] port with USB 3.2 Gen 1 support, available through the internal USB header
- 3. 1 x USB 3.2 Gen 2 Type-A port (red) on the back panel
- 4. 6 x USB 3.2 Gen 1 ports (4 ports on the back panel, 2 ports available through the internal USB header)

Chipset+2 USB 2.0 Hubs:

- 1. 8 x USB 2.0/1.1 ports (4 ports on the back panel, 4 ports available through the internal USB headers)

Conectores Internos I/O

- 1. 1 x 24-pin ATX main power connector
- 2. 2 x 8-pin ATX 12V power connectors
- 3. 1 x CPU fan header
- 4. 1 x water cooling CPU fan header

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- 11. 1 x front panel header
- 12. 1 x front panel audio header
- 13. 1 x S/PDIF Out header
- 14. 1 x USB Type-C® header, with USB 3.2 Gen 1 support
- 15. 1 x USB 3.2 Gen 1 header
- 16. 2 x USB 2.0/1.1 headers
- 17. 1 x serial port header
- 18. 2 x Thunderbolt™ add-in card connectors
- 19. 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only)
- 20. 1 x reset button
- 21. 1 x Q-Flash Plus button
- 22. 1 x reset jumper
- 23. 1 x Clear CMOS jumper

Conectores
Painel Traseiro

- 1. 1 x USB Type-C® port, with USB 3.2 Gen 2x2 support
- 2. 1 x USB 3.2 Gen 2 Type-A port (red)
- 3. 4 x USB 3.2 Gen 1 ports
- 4. 4 x USB 2.0/1.1 ports
- 5. 1 x HDMI 2.0 port
- 6. 1 x DisplayPort
- 7. 1 x RJ-45 port

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**Monitoramento
H/W**

1. Voltage detection
2. Temperature detection
3. Fan speed detection
4. Water cooling flow rate detection
5. Fan fail warning
6. Fan speed control

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

BIOS

1. 1 x 256 Mbit flash
2. Use of licensed AMI UEFI BIOS
3. PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0

**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

Compare

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Sistema Operacional	1. Support for Windows 11 64-bit 2. Support for Windows 10 64-bit
Form Factor	1. 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