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Z790 D DDR4 (rev. 1.0)

Características Especificação Suporte Compre

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 DDR4 5333(O.C.)/ DDR4 5133(O.C.)/DDR4 5000(O.C.)/4933(O.C.)/4800(O.C.)/ 4700(O.C.)/ 4600(O.C.)/ 4500(O.C.) / 4400(O.C.)/ 4300(O.C.)/4266(O.C.) / 4133(O.C.) / 4000(O.C.) / 3800(O.C.) / 3600(O.C.) / 3400(O.C.) / 3200(O.C.) / 3000(O.C.) / 2800(O.C.) / 2666(O.C.) / 2400(O.C.) / 2133(O.C.) / 1866(O.C.) / 1600(O.C.) / 1333(O.C.) / 1066(O.C.) / 800(O.C.)

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(operate in non-ECC mode)

5. Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules
6. Support for Extreme Memory Profile (XMP) memory modules

(Please refer "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.

(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)

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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+1 USB 2.0 Hub:

1. 6 x USB 2.0/1.1 ports (2 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. 1 x 8-pin ATX 12V power connector

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11. 6 x SATA 6Gb/s connectors
12. 1 x front panel header
13. 1 x front panel audio header
14. 1 x S/PDIF Out header
15. 1 x USB Type-C[®] header, with USB 3.2 Gen 1 support
16. 1 x USB 3.2 Gen 1 header
17. 2 x USB 2.0/1.1 headers
18. 1 x serial port header
19. 2 x Thunderbolt™ add-in card connectors
20. 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only)
21. 1 x reset button
22. 1 x Q-Flash Plus button
23. 1 x reset jumper
24. 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. 2 x USB 2.0/1.1 ports

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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

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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

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