Z790 AORUS ELITE AX ICE

Z790 AORUS ELITE AX ICE 1.1 / Z790 AORUS ELITE AX ICE 1.0

Características Especificação Suporte Galeria de Imagens Compre

	Z790 AORUS ELITE AX ICE 1.1	Z790 AORUS ELITE AX ICE 1.0
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.)	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	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 4. Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (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 (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.)	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 4. Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (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 (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 2.1 version and HDCP 2.3. ** Support native HDMI 2.1 TMDS compatible ports. 2. 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 * Support for DisplayPort 1.2 version and HDCP 2.3 (Graphics specifications may vary depending on CPU support.)	Integrated Graphics Processor-Intel® HD Graphics support: 1. 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. 2. 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 * 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. 4. Support for S/PDIF Out	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. 4. Support for S/PDIF Out
LAN	1. Realtek® 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps) Intel® Wi-Fi 6E AX211 (PCB rev. 1.0) 1. WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands	1. Realtek® 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps) Intel® Wi-Fi 6E AX211 (PCB rev. 1.0) 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	2. BLUETOOTH 5.3 3. Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate
Wireless Communication module	Realtek® Wi-Fi 6E RTL8852CE (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.	Realtek® Wi-Fi 6E RTL8852CE (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: 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_1) 2. 1 x PCI Express x16 slot, supporting PCIe 3.0 and running at x4 (PCIEX4_2)	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_1) 2. 1 x PCI Express x16 slot, supporting PCIe 3.0 and running at x4 (PCIEX4_2)
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: 1. 2 x M.2 connectors (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2P_SB, M2Q_SB) 2. 1 x M.2 connector (Socket 3, M key, type 22110/2280 SATA and PCIe 4.0 x4 SSD support) (M2M_SB) 3. 6 x SATA 6Gb/s connectors RAID 0, RAID 1, RAID 5, and RAID 10 support for NVMe SSD storage devices RAID 0, RAID 1, RAID 5, and RAID 10 support for SATA storage devices * Refer to "2-8 Internal Connectors," for the installation notices for the M.2 and SATA connectors.	CPU: 1. 1 x M.2 connector (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2A_CPU) Chipset: 1. 2 x M.2 connectors (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2P_SB, M2Q_SB) 2. 1 x M.2 connector (Socket 3, M key, type 22110/2280 SATA and PCIe 4.0 x4 SSD support) (M2M_SB) 3. 6 x SATA 6Gb/s connectors RAID 0, RAID 1, RAID 5, and RAID 10 support for NVMe SSD storage devices RAID 0, RAID 1, RAID 5, and RAID 10 support for SATA storage devices * Refer to "2-8 Internal Connectors," for the installation notices for the M.2 and SATA connectors.
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 2 support, available through the internal USB header 3. 2 x USB 3.2 Gen 2 Type-A ports (red) on the back panel 4. 5 x USB 3.2 Gen 1 ports (3 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	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 2 support, available through the internal USB header 3. 2 x USB 3.2 Gen 2 Type-A ports (red) on the back panel 4. 5 x USB 3.2 Gen 1 ports (3 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)	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 5. 3 x system fan headers 6. 1 x system fan/water cooling pump header 7. 2 x addressable LED strip headers 8. 2 x RGB LED strip headers 9. 4 x M.2 Socket 3 connectors 10. 6 x SATA 6Gb/s connectors 11. 1 x front panel header 12. 1 x front panel audio header 13. 1 x USB Type-C® header, with USB 3.2 Gen 2 support 14. 1 x USB 3.2 Gen 1 header 15. 2 x USB 2.0/1.1 headers 16. 2 x Thunderbolt™ add-in card connectors 17. 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only) 18. 1 x reset button 19. 1 x Q-Flash Plus button 20. 1 x Clear CMOS button 21. 1 x reset jumper 22. 1 x Clear CMOS jumper	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 5. 3 x system fan headers 6. 1 x system fan/water cooling pump header 7. 2 x addressable LED strip headers 8. 2 x RGB LED strip headers 9. 4 x M.2 Socket 3 connectors 10. 6 x SATA 6Gb/s connectors 11. 1 x front panel header 12. 1 x front panel audio header 13. 1 x USB Type-C® header, with USB 3.2 Gen 2 support 14. 1 x USB 3.2 Gen 1 header 15. 2 x USB 2.0/1.1 headers 16. 2 x Thunderbolt™ add-in card connectors 17. 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only) 18. 1 x reset button 19. 1 x Q-Flash Plus button 20. 1 x Clear CMOS button 21. 1 x reset jumper 22. 1 x Clear CMOS jumper
Conectores Painel Traseiro	1. 1 x USB Type-C® port, with USB 3.2 Gen 2x2 support 2. 2 x USB 3.2 Gen 2 Type-A ports (red) 3. 3 x USB 3.2 Gen 1 ports 4. 4 x USB 2.0/1.1 ports 5. 2 x SMA antenna connectors (2T2R) 6. 1 x HDMI 2.0 port 7. 1 x DisplayPort 8. 1 x RJ-45 port 9. 1 x optical S/PDIF Out connector 10. 2 x audio jacks	1. 1 x USB Type-C® port, with USB 3.2 Gen 2x2 support 2. 2 x USB 3.2 Gen 2 Type-A ports (red) 3. 3 x USB 3.2 Gen 1 ports 4. 4 x USB 2.0/1.1 ports 5. 2 x SMA antenna connectors (2T2R) 6. 1 x HDMI 2.0 port 7. 1 x DisplayPort 8. 1 x RJ-45 port 9. 1 x optical S/PDIF Out connector 10. 2 x audio jacks
Controlador I/O	1. iTE® I/O Controller Chip	1. iTE® I/O Controller Chip
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.	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	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
	1. Support for GIGABYTE Control Center (GCC)	1. Support for GIGABYTE Control Center (GCC)

Características Exclusivas	* 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 4. Support for Smart Backup	* 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 4. Support for Smart Backup
Pacote de Software	1. Norton® Internet Security (OEM version) 2. LAN bandwidth management 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	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	1. ATX Form Factor; 30.5cm x 24.4cm