



GIGABYTE Z590 AORUS MASTER LGA 1200 DDR4

Indeks: **100395** Producent: **GIGABYTE** Kod producenta: **Z590 AORUS MASTER (rev. 1.0)**

Cena: **1,246.25 zł**

Opis

Płyta Gigabyte Z590 AORUS MASTER (rev. 1.0) /Z590/DDR4/SATA3/M.2/USB3.1/PCIe3.0/s.1200/WIFI/BT/ATX

CPU LGA1200 package: 11th Generation Intel® Core™ i9 processors / Intel® Core™ i7 processors / Intel® Core™ i5 processors / 10th Generation Intel® Core™ i9 processors / Intel® Core™ i7 processors / Intel® Core™ i5 processors / Intel® Core™ i3 processors / Intel® Pentium® processors / Intel® Celeron® processors** Limited to processors with 4 MB Intel® Smart Cache, Intel® Celeron® G5xx5 family. L3 cache varies with CPU (Please refer to "CPU Support List" for more information.) Chipset Intel® Z590 Express Chipset Memory 11th Generation Intel® Core™ i9/i7/i5 processors: Support for DDR4 3200/3000/2933/2666/2400/2133 MHz memory modules 10th Generation Intel® Core™ i9/i7 processors: Support for DDR4 2933/2666/2400/2133 MHz memory modules 10th Generation Intel® Core™ i5/i3/Pentium® /Celeron® processors: Support for DDR4 2666/2400/2133 MHz memory modules 4 x DDR4 DIMM sockets supporting up to 128 GB (32 GB single DIMM capacity) of system memory Dual channel memory architecture Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode) Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules Support for Extreme Memory Profile (XMP) memory modules (Please refer "Memory Support List" for more information.) Onboard Graphics Integrated Graphics Processor-Intel® HD Graphics support: 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.) Audio Realtek® ALC1220-VB codec* The front panel line out jack supports DSD audio. ESS ES9118 DAC chip Support for DTS:X® Ultra High Definition Audio 2/4/5.1/7.1-channel Support for S/PDIF Out LAN Aquantia 10GbE LAN chip (10 Gbit/5 Gbit/2.5 Gbit/1 Gbit/100 Mbit) Wireless Communication module Intel® Wi-Fi 6E AX210 WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands BLUETOOTH 5.2 Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate* Actual data rate may vary depending on environment and equipment. * Wi-Fi 6E and its 6GHz carrier frequency support may vary by country Expansion Slots 1 x PCI Express x16 slot, 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. 1 x PCI Express x16 slot, running at x8 (PCIEX8)* The PCIEX8 slot shares bandwidth with the PCIEX16 slot. When the PCIEX8 slot is populated, the PCIEX16 slot operates at up to x8 mode. (The PCIEX16 and PCIEX8 slots conform to PCI Express 4.0 standard.)** Supported by 11th Generation processors only. 1 x PCI Express x16 slot, running at x4 (PCIEX4) (The PCIEX4 slot conforms to PCI Express 3.0 standard.) Multi-Graphics Technology Support for AMD Quad-GPU CrossFire™ and 2-Way AMD CrossFire™ technologies Storage Interface CPU: 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 PCIe 4.0 x4/x2 SSD support) (M2A_CPU)** Supported by 11th Generation processors only. Chipset: 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 SATA and PCIe 3.0 x4/x2 SSD support) (M2P_SB) 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 SATA and PCIe 3.0 x4/x2 SSD support) (M2M_SB) 6 x SATA 6Gb/s connectors Support for RAID 0, RAID 1, RAID 5, and RAID 10* Refer to "1-9 Internal Connectors," for the installation notices for the M.2 and SATA connectors. Intel® Optane™ Memory Ready USB Chipset: 1 x USB Type-C® port on the back panel, with USB 3.2 Gen 2x2 support 1 x USB Type-C® port with USB 3.2 Gen 2 support, available through the internal USB header 5 x USB 3.2 Gen 2 Type-A ports (red) on the back panel Chipset+2 USB 3.2 Gen 1 Hubs: 8 x USB 3.2 Gen 1 ports (4 ports on the back panel, 4 ports available through the internal USB headers) Chipset+USB 2.0 Hub: 4 x USB 2.0/1.1 ports available through the internal USB headers Internal I/O Connectors 1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x CPU fan header 1 x water cooling CPU fan header 4 x system fan headers 4 x system fan/water cooling pump headers 2 x addressable LED strip headers 2 x RGB LED strip headers 3 x M.2 Socket 3 connectors

6 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 2 support 2 x USB 3.2 Gen 1 headers 2 x USB 2.0/1.1 headers 1 x noise detection header 2 x Thunderbolt™ add-in card connectors 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only) 1 x power button 1 x reset button 2 x temperature sensor headers 1 x Clear CMOS jumper 2 x BIOS switches Voltage Measurement Points Back Panel Connectors 1 x Q-Flash Plus button 1 x Clear CMOS button 2 x SMA antenna connectors (2T2R) 1 x DisplayPort 1 x USB Type-C® port, with USB 3.2 Gen 2x2 support 5 x USB 3.2 Gen 2 Type-A ports (red) 4 x USB 3.2 Gen 1 ports 1 x RJ-45 port 1 x optical S/PDIF Out connector 5 x audio jacks I/O Controller iTE® I/O Controller Chip H/W Monitoring 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. Noise detection BIOS 2 x 256 Mbit flash Use of licensed AMI UEFI BIOS Support for DualBIOS™ PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0 Unique Features Support for APP Center* Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.@BIOSEasyTuneFast BootGame BoostON/OFF ChargeRGB FusionSmart BackupSystem Information Viewer Support for Q-Flash Plus Support for Q-Flash Support for Xpress Install Bundled Software Norton® Internet Security (OEM version) cFosSpeed Operating System Support for Windows 10 64-bit Form Factor ATX Form Factor; 30.5cm x 24.4cm

Parametry

Model	Z590 AORUS MASTER
Producent	Gigabyte
EAN	4719331814403
Chipset	Z590
Kod producenta	Z590_AORUS_MASTER
Obsługiwane procesory	Intel
Standard płyty	ATX
Typ obsługiwanej pamięci	DDR4
Maksymalna ilość pamięci RAM	128
Liczba slotów pamięci RAM	4
Łączenie dysków	RAID 0, RAID 1, RAID 1+0 (10), RAID 5
Dodatkowe elementy	brak
Szerokość	305
Stan	Nowy
Typ gniazda procesora	Intel Socket 1200
Częstotliwość taktowania pamięci	3200, 2933, 2666, 2400, 2133
Architektura wielokanałowa pamięci RAM	dual-channel
Wysokość	305