



Supports 8th Gen Intel® Core™ Processors



Model Name	Z370 AORUS Gaming 7	Z370 AORUS Gaming 5	Z370 AORUS Ultra Gaming	Z370 AORUS Gaming 3	Z370XP SLI	Z370 HD3P	Z370M D3H	Z370N WIFI
CPU Support	8th Gen Intel® Core™ Processors	8th Gen Intel® Core™ Processors	8th Gen Intel® Core™ Processors	8th Gen Intel® Core™ Processors	8th Gen Intel® Core™ Processors	8th Gen Intel® Core™ Processors	8th Gen Intel® Core™ Processors	8th Gen Intel® Core™ Processors
CPU Socket	LGA 1151	LGA 1151	LGA 1151	LGA 1151	LGA 1151	LGA 1151	LGA 1151	LGA 1151
Chipset	Intel® Z370 Chipset	Intel® Z370 Chipset	Intel® Z370 Chipset	Intel® Z370 Chipset	Intel® Z370 Chipset	Intel® Z370 Chipset	Intel® Z370 Chipset	Intel® Z370 Chipset
Graphics Interface	1*PCIe 3.0 x16 + 1*PCIe 3.0 x8 + 1*PCIe 3.0 x4	1*PCIe 3.0 x16 + 1*PCIe 3.0 x8 + 1*PCIe 3.0 x4	1*PCIe 3.0 x16 + 1*PCIe 3.0 x8 + 1*PCIe 3.0 x4	1*PCIe 3.0 x16 + 1*PCIe 3.0 x4	1*PCIe 3.0 x16 + 1*PCIe 3.0 x8 + 1*PCIe 3.0 x4	1*PCIe 3.0 x16 + 1*PCIe 3.0 x4	1*PCIe 3.0 x16 + 1*PCIe 3.0 x4	1*PCIe 3.0 x16 (supports bifurcation)
Display Interface	HDMI, DisplayPort	HDMI, DisplayPort	HDMI, DVI-D	HDMI	HDMI	HDMI, DVI-D, D-SUB	HDMI, DVI-D	HDMI 2.0, HDMI, DisplayPort
Memory Type	Dual-Channel DDR4	Dual-Channel DDR4	Dual-Channel DDR4	Dual-Channel DDR4	Dual-Channel DDR4	Dual-Channel DDR4	Dual-Channel DDR4	Dual-Channel DDR4
Memory DIMMs	4*DIMMs	4*DIMMs	4*DIMMs	4*DIMMs	4*DIMMs	4*DIMMs	4*DIMMs	2*DIMMs
Expansion Slots	3*PCIe 3.0 x1	3*PCIe 3.0 x1	3*PCIe 3.0 x1	4*PCIe 3.0 x1	3*PCIe 3.0 x1	4*PCIe 3.0 x1 + 1*PCI	2*PCIe 3.0 x1	
SATA / M.2	6*SATA3 / 3*M.2	6*SATA3 / 3*M.2	6*SATA3 / 2*M.2	6*SATA3 / 2*M.2	6*SATA3 / 2*M.2	6*SATA3 / 2*M.2	6*SATA3 / 2*M.2	4*SATA3 / 2*M.2 / 1*M.2 for WiFi
SATA RAID	RAID 0, 1, 5, 10	RAID 0, 1, 5, 10	RAID 0, 1, 5, 10	RAID 0, 1, 5, 10	RAID 0,1,5,10	RAID 0,1,5,10	RAID 0,1,5,10	RAID 0,1,5,10
USB	2*USB 3.1 Gen2 with USB Type-C™ support + 1*USB 3.1 Gen2 Type-A + 1*USB 3.1 Gen1 + 4*USB 2.0	1*USB 3.1 Gen2 with USB Type-C™ support + 1*USB 3.1 Gen2 Type-A + 1*USB 3.1 Gen1 with USB Type-C™ support + 6*USB 3.1 Gen1 + 6*USB 2.0	1*USB 3.1 Gen2 with USB Type-C™ support + 1*USB 3.1 Gen2 Type-A + 1*USB 3.1 Gen1 with USB Type-C™ support + 6*USB 3.1 Gen1 + 6*USB 2.0	1*USB 3.1 Gen2 with USB Type-C™ support + 1*USB 3.1 Gen2 with Type-A + 1*USB 3.1 Gen1 with USB Type-C™ support + 6*USB 3.1 Gen1 + 6*USB 2.0	1*USB 3.1 Gen2 with USB Type-C™ support + 1*USB 3.1 Gen2 Type-A + 10*USB 3.1 Gen1 + 4*USB 2.0	1*USB 3.1 Gen2 with USB Type-C™ support + 1*USB 3.1 Gen2 Type-A + 1*USB 3.1 Gen1 with front USB Type-C™ support + 6*USB 3.1 Gen1 + 6*USB 2.0	1*USB 3.1 Gen1 with USB Type-C™ support + 8*USB 3.1 Gen1 + 4*USB 2.0	1*USB 3.1 Gen1 with USB Type-C™ support + 8*USB 3.1 Gen1 + 2*USB 2.0
Audio	ALC1220 + ESS 9018	ALC1220	ALC1220	ALC1220	ALC1220	ALC1220	8-channel HD	ALC1220
LAN / Wireless	Dual GbE LAN (Killer E2500 + Intel®)	Intel® GbE LAN / Intel® 1x1 802.11ac Wireless	Intel® GbE LAN	Killer E2500 GbE LAN	Intel® GbE LAN	Intel® GbE LAN	Intel® GbE LAN	Dual Intel® GbE LAN / Intel® 2x2 802.11ac Wireless
Features & Software	3-Way Graphics Support, M.2 Thermal Guard, Turbo B-Clock, Dual Armor with Ultra Durable™ Design, Durable Black Solid Caps, Smart Headphone Amp, High-End Audio Caps, Gold Plated Audio Ports, USB DAC-UP 2, Multi-Zone LED Light Show Design, Smart Fan 5 with FAN STOP, APP Center Including EasyTune™ and Cloud Station™ Utilities	3-Way Graphics Support, Turbo B-Clock, Dual Armor with Ultra Durable™ Design, Durable Black Solid Caps, Smart Headphone Amp, High-End Audio Caps, Gold Plated Audio Ports, USB DAC-UP 2, Creative Sound BlasterX™ 720™, Multi-Zone LED Light Show Design, cFosSpeed Internet Accelerator, APP Center Including EasyTune™ and Cloud Station™ Utilities	3-Way Graphics Support, Dual Armor with Ultra Durable™ Design, Durable Black Solid Caps, Smart Headphone Amp, High-End Audio Caps, USB DAC-UP 2, Multi-Zone LED Light Show Design, cFosSpeed Internet Accelerator, Smart Fan 5 with FAN STOP, APP Center Including EasyTune™ and Cloud Station™ Utilities	2-Way CrossFire Support, OC Button, Smart Headphone Amp, High-End Audio Caps, Multi-Zone LED Light Show Design, Smart Fan 5 with FAN STOP, APP Center Including EasyTune™ and Cloud Station™ Utilities	3-Way Graphics Support, Smart Headphone Amp, cFosSpeed Internet Accelerator, GbE Port with Ultra Durable™ 25KV ESD and 15KV Surge Protection, Anti-Sulfur Resistor Design, RGB FUSION support, Smart Fan 5 with FAN STOP, APP Center Including EasyTune™ and Cloud Station™ Utilities	2-Way CrossFire Support, Smart Headphone Amp, cFosSpeed Internet Accelerator, GbE Port with Ultra Durable™ 25KV ESD and 15KV Surge Protection, Anti-Sulfur Resistor Design, RGB FUSION support, Smart Fan 5 with FAN STOP, APP Center Including EasyTune™ and Cloud Station™ Utilities	2-Way CrossFire Support, cFosSpeed Internet Accelerator, GbE Port with Ultra Durable™ 25KV ESD and 15KV Surge Protection, Anti-Sulfur Resistor Design, RGB FUSION support, Smart Fan 5 with FAN STOP, APP Center Including EasyTune™ and Cloud Station™ Utilities	PCIe x16 bifurcation support, Integrated HDMI 2.0 Support, M.2 Thermal Guard, Smart Headphone Amp, cFosSpeed Internet Accelerator, Dual GbE Ports with Ultra Durable™ 25KV ESD and 15KV Surge Protection, Anti-Sulfur Resistor Design, RGB FUSION support, Smart Fan 5 with FAN STOP, APP Center Including EasyTune™ and Cloud Station™ Utilities
Form Factor(mm)	ATX (305x244)	ATX (305x244)	ATX (305x244)	ATX (305x244)	ATX(305x225)	ATX(305x225)	mATX(244x244)	Mini-ITX(170x170)

20MA1-BRG901-1E

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• Photos are for reference only. Motherboard specifications may vary by model.
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• Motherboard models may vary based on local distribution.

• Memory support is dependent on memory module compatibility and system OS.
• Please refer to GIGABYTE website for CPU support information.
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Z370

AORUS GAMING MOTHERBOARDS

SUPERCHARGED PERFORMANCE

Supports 8th Gen Intel® Core™ Processors



RGB FUSION | AMP-UP AUDIO | SMART FAN 5 | TRIPLE NVMe PCIe X4 M.2 | M.2 THERMAL GUARD | FRONT USB Type-C | DUALBIOS™ | ULTRA DURABLE™ ARMOR | DIGITAL FUSE USB | ANTI-SULFUR

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Product features may vary by model.