

Gigabyte A520 AORUS ELITE Motherboard - Supports AMD Ryzen 5000 Series AM4 CPUs, 5+3 Phases Pure Digital VRM, up to 4733MHz DDR4 (OC), PCIe 3.0 x4 M.2, GbE LAN, USB 3.2 Gen2

Brand : Gigabyte

Product code: A520 AORUS ELITE

Product name : A520 AORUS ELITE Motherboard - Supports AMD Ryzen 5000 Series AM4 CPUs, 5+3 Phases Pure Digital VRM, up to 4733MHz DDR4 (OC), PCIe 3.0 x4 M.2, GbE LAN, USB 3.2 Gen2

AMD A520 AORUS Motherboard with Pure Digital VRM Solution, ALC1200 Audio, GIGABYTE Gaming LAN with Bandwidth Management, PCIe 3.0 x4 M.2, RGB FUSION 2.0, Smart Fan 5, Q-Flash Plus, Pre-installed IO Shield Design

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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge technology.



Processor		Network	
Processor manufacturer *	AMD	Ethernet LAN	✓
Processor socket *	Socket AM4	Ethernet interface type	Gigabit Ethernet
Compatible processor series *	3rd Generation AMD Ryzen™ 3, 3rd Generation AMD Ryzen 5, 3rd Generation AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 9	Features	
Supported processor sockets	Socket AM4	Motherboard chipset *	AMD A520
Memory		Audio chip	Realtek ALC1200
Supported memory types *	DDR4-SDRAM	Audio output channels *	7.1 channels
Number of memory slots *	4	PC health monitoring	Fan, Temperature, Voltage
Memory slots type	DIMM	Component for *	PC
Memory channels	Dual-channel	Motherboard form factor *	ATX
ECC	✓	Motherboard chipset family *	AMD
Non-ECC	✓	Windows operating systems supported	Windows 10 x64
Supported memory clock speeds	2133,2400,2667,2933,3200,3333,3600,4000,4400,4600,4733 MHz	Expansion slots	
Maximum internal memory *	128 GB	PCI Express x1 slots	3
Unbuffered memory	✓	PCI Express x16 slots	1
Storage controllers		Number of M.2 (M) slots	1
Supported storage drive interfaces *	M.2, SATA III	BIOS	
Number of storage drives supported	5	BIOS type *	UEFI AMI
RAID levels	0, 1, 10	BIOS memory size	128 Mbit
Graphics		ACPI version	5.0
Maximum resolution	4096 x 2160 pixels	Clear CMOS jumper	✓
HDCP	✓	Desktop Management Interface (DMI) version	2.7
Internal I/O		System Management BIOS (SMBIOS) version	2.7
USB 2.0 connectors *	2	Logistics data	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Country of origin	China
Number of SATA III connectors *	4	Products per shipping (inner) case	1 pc(s)
Front panel audio connector	✓	Harmonized System (HS) code	84733020
Front panel connector	✓	Battery	
ATX Power connector (24-pin)	✓	Battery weight	3 g
Power fan connector	✓		
CPU fan connector	✓		

Internal I/O		Battery	
EPS power connector (8-pin)	✓	Lithium weight per battery	0.07 g
TPM connector	✓	Number of battery cells	1
Serial port headers	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
RGB LED pin header	✓	Battery type	CR2032
Rear panel I/O ports		Packaging data	
USB 2.0 ports quantity *	4	Package width	335 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Package depth	270 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	Package height	80 mm
Ethernet LAN (RJ-45) ports *	1	Package weight	1.35 kg
PS/2 ports quantity	1	Weight & dimensions	
HDMI ports quantity *	1	Width	305 mm
HDMI version	2.1	Depth	244 mm
DVI-D ports quantity *	1	Height	35 mm
Headphone outputs	5	Packaging content	
S/PDIF out port	✓	Batteries included	✓
		Bundled software	Norton® Internet Security (OEM version), Realtek® 8118 Gaming LAN Bandwidth Control Utility
		Technical details	
		Warranty period	3 year(s)



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