

## Gigabyte A520 AORUS ELITE motherboard AMD A520 Socket AM4 ATX

**Brand :** Gigabyte

**Product code:** A520 AORUS ELITE

**Product name :** A520 AORUS ELITE

- Supports AMD Ryzen™ 5000 Series / 3rd Gen Ryzen™ and 3rd Gen Ryzen™ with Radeon™ Graphics Processors
  - Dual Channel ECC/ Non-ECC Unbuffered DDR4, 4 DIMMs
  - 5+3 Phases Pure Digital VRM Solution with Low RDS(on) MOSFETs
  - Ultra-Fast NVMe PCIe 3.0 x4 M.2 Connector
  - AMP-UP Audio with ALC1200 and High End Audio Capacitors
  - GIGABYTE Exclusive 8118 Gaming LAN with Bandwidth Management
  - HDMI, DVI-D Ports for Multiple Display
  - RGB FUSION 2.0 Supports Addressable LED & RGB LED Strips
  - Smart Fan 5 Features Multiple Temperature Sensors , Hybrid Fan Headers with FAN STOP
  - Q-Flash Plus Update BIOS without Installing the CPU, Memory and Graphics Card
- ATX, AMD A520 chipset, Socket AM4, 4xDDR4 DIMM slots, 7.1ch audio, Gigabit LAN



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Processor socket *	Socket AM4	Ethernet LAN (RJ-45) ports *	1
Compatible processor series *	3rd Generation AMD Ryzen™ 3, 3rd Generation AMD Ryzen 5, 3rd Generation AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 9	PS/2 ports quantity	1
	Socket AM4	HDMI ports quantity *	1
Supported processor sockets	Socket AM4	HDMI version	2.1
<b>Memory</b>		DVI-D ports quantity *	1
Supported memory types *	DDR4-SDRAM	Headphone outputs	5
Number of memory slots *	4	S/PDIF out port	✓
Memory slots type	DIMM	<b>Network</b>	
Memory channels	Dual-channel	Ethernet LAN	✓
ECC	✓	Ethernet interface type	Gigabit Ethernet
Non-ECC	✓	<b>Features</b>	
Supported memory clock speeds	2133,2400,2667,2933,3200,3333,3600,4000,4400,4600,4733 MHz	Motherboard chipset *	AMD A520
Maximum internal memory *	128 GB	Audio chip	Realtek ALC1200
Unbuffered memory	✓	Audio output channels *	7.1 channels
<b>Storage controllers</b>		PC health monitoring	Fan, Temperature, Voltage
Supported storage drive interfaces *	M.2, SATA III	Component for *	PC
Number of storage drives supported	5	Motherboard form factor *	ATX
RAID levels	0, 1, 10	Motherboard chipset family *	AMD
<b>Graphics</b>		Windows operating systems supported	Windows 10 x64
Maximum resolution	4096 x 2160 pixels	<b>Expansion slots</b>	
HDCP	✓	PCI Express x1 slots	3
<b>Internal I/O</b>		PCI Express x16 slots	1
USB 2.0 connectors *	2	Number of M.2 (M) slots	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	<b>BIOS</b>	
Number of SATA III connectors *	4	BIOS type *	UEFI AMI
Front panel audio connector	✓	BIOS memory size	128 Mbit
Front panel connector	✓	ACPI version	5.0
ATX Power connector (24-pin)	✓	Clear CMOS jumper	✓
Power fan connector	✓		
CPU fan connector	✓		

Internal I/O		BIOS	
EPS power connector (8-pin)	✓	Desktop Management Interface (DMI) version	2.7
TPM connector	✓	System Management BIOS (SMBIOS) version	2.7
Serial port headers	1		
RGB LED pin header	✓		
Rear panel I/O ports		Logistics data	
USB 2.0 ports quantity *	4	Harmonized System (HS) code	84733020
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Bundled software	Norton® Internet Security (OEM version), Realtek® 8118 Gaming LAN Bandwidth Control Utility



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