

DDR5

**Mainboard
ASROCK AMD
B650 SAM5
Micro-ATX
Memory DDR5
Memory slots 4
1xPCI-Express
3.0 16x 1xPCI-
Express 4.0 16x
3xM.2 1xHDMI
1xDisplayPort
4xUSB 2.0
3xUSB 3.2
1xUSB-C 1xRJ45
3xAudio port
B650MPGLIGHTNING**

Modelis: B650MPGLIGHTNING

Gamintojas: ASROCK

EAN: 4710483943829

Prekės kodas: 76319

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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115.99€

Optimized VRM Design

Dr. MOS

Dr.MOS is the integrated power stage solution which is optimized for synchronous buck-set down voltage applications! Compared to traditional discrete MOSFETs, it intelligently delivers higher current for each phase, thus providing improved thermal result and superior performance.

6+2+1 Power Phase Design

Featuring sturdy components and completely smooth power delivery to the CPU, offering enhanced performance for gamers.

Extreme Overclocking Performance

DDR5 EXPO & XMP Support

Derived from the “built for stable and reliable” designing concept, ASRock does not compromise on any details. All B650 motherboards are built with 6-Layer PCB design, enthusiasts are able to enjoy the boost of DDR5 memory overclocking performance up to 7200MHz and beyond by enabling the pre-tested profiles. Make sure the memory modules are AMD EXPO™ / Intel® XMP capable and overclocking can be made so affordable, satisfying and absolutely no sweat at all.

Blazing OC Tuner

The Blazing OC Tuner allows AM5 CPU to switch between OC mode and PBO(Precision Boost Overdrive) mode when the CPU current hits threshold. Anything above current threshold will engage manual OC mode; if below current threshold then will engage Precision Boost Overdrive mode. This idea is to combine overclocking on all cores and automatic boost on a single core to get the best performance out of your CPU. There is no need to enter BIOS to setup up, you can modify all the settings on time under OS.

AMD PBO Technology

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PBO(Precision Boost Overdrive) is an automatic performance-maximizing technology that is able to improve your PC's performance by raising clock speeds based on the conditions inside your PC, AMD's processors is equipped with intelligent thermal sensors designed to analyze conditions inside your PC and make the "go faster" decision as often as possible, please ensure system cooling is sufficient before enabling PBO.

Reinforced Steel Slot [PCIe 4.0 Version]

The reinforced steel slot is capable of supporting PCI Express 4.0 standard. The various benefits include:

- Extra anchor points
- Stronger latch
- Ensure signal stability
- Make sure heavy graphics cards to be well-installed.

Nahimic Audio

Audio That Matters

Whether you are using headphones, a headset, external or internal speakers, via USB, Wi-Fi, analog output or even HDMI, Nahimic Audio offers you the most engaging listening experience, vibrant and rich with details.

Enhance Communication Quality

The Powerful algorithms to ensure the best noise-free conversation, giving a constant vocal level no matter the distance from your mic. The Nahimic audio engine dynamically clear the sound and remove interference noise and lower the voice variation. Result is a better comprehension and less fatigue.

- Static Noise Suppression
- Echo Cancellation
- Lateral Sound Cancellation
- Voice Stabilizer

Ultimate Gaming Experience

- Sound Tracker

The Sound Tracker is a visual indicator that points out the directions from which predominant sounds

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are coming. Each sound is properly positioned in 360° on a radar for a full immersion during the game.

- Works on any devices!

Enjoy the vibrant and high-quality Surround Sound on all your favorite audio devices: Jack, USB, Bluetooth, HDMI, S/PDIF. Nahimic is compatible with all of your favorite audio tools and ensures the best sound with any of them. Nahimic measure and improve to optimize our technology and offer you the best experience.

PCIe Gen5 Blazing M.2

The Blazing M.2 accommodates the latest PCI Express 5.0 standard to perform twice the bandwidth compared to previous generation, with a breathtaking 128Gb/s transfer speed, it is ready to unleash the full potential of future ultrafast SSDs.

Phantom Gaming 2.5 Gb/s LAN

The intelligent Phantom Gaming 2.5Gb/s LAN platform is built for maximum networking performance for the demanding requirements of home networking, content creators, online gamers and high-quality streaming media. Boost networking performance up to 2.5X the bandwidth compared to the standard gigabit Ethernet, you'll enjoy the faster and uncompromised connectivity experience for gaming, file transfers and backups.

Automatically detects and accelerates game traffic ahead of other network traffic for smoother, stutter-free in-game performance and the competitive edge.

Front USB 3.2 Gen1 Type-C

Front USB 3.2 Gen1 Type-C header delivers up to 5 Gbps data transfer rate and next generation reversible USB design to the front panel of computer case.

Dual USB 3.2 Gen2 (Type-A + Type-C)

This motherboard has a pair of onboard Type-A and Type-C USB 3.2 Gen2 ports built on the rear i/o for supporting next generation USB 3.2 Gen2 devices and to deliver up to 10 Gbps data transfer rates.

M.2 (KEY E) For WiFi

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Besides the onboard LAN port, users may also choose wireless connections by M.2 (Key E) slot.

Auto Driver Installer

No need to worry about lack of disk drive! Asrock preinstall LAN driver to ensure that you are able to install all drivers needed in an easier way than using SCD.

- Supports AMD Socket AM5 Ryzen™ 8000 and 7000 Series Processors
- 6+2+1 Power Phase, Dr.MOS
- Supports DDR5 7200+ MHz (OC)
- 1 PCIe 4.0 x16, 1 PCIe 3.0 x16, 1 M.2 Key-E for WiFi
- Graphics Output: HDMI, DisplayPort
- Realtek ALC897 7.1 CH HD Audio Codec, Nahimic Audio
- 4 SATA3, 1 Blazing M.2 (PCIe Gen5 x4), 1 Hyper M.2 (PCIe Gen4 x4), 1 M.2 (PCIe Gen4 x2)
- 1 USB 3.2 Gen2 Type A+C (Rear), 1 USB 3.2 Gen1 Type-C (Front), 6 USB 3.2 Gen1 Type-A (2 Rear, 4 Front)
- Phantom Gaming 2.5G LAN
- Supports ASRock Auto Driver Installer, BIOS Flashback

Summary: Asrock B650M PG Lightning. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, PCI Express 4.0, PCI Express 5.0, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 10. Parallel processing technology support: CrossFire, Maximum resolution: 3840 x 2160 pixels. USB connector type: USB Type-A, USB Type-C | Vendor Homepage: <https://pg.asrock.com/MB/AMD/B650M%20PG%20Lightning/index.asp> | Audio chip: Realtek ALC897 | Audio output channels: 7.1 | Certification: FCC, CE, ErP/EuP | Component for: PC | Motherboard chipset: AMD B650 | Motherboard chipset family: AMD | Motherboard form factor: micro ATX | Product colour: Black | Windows operating systems supported: Windows 10 x64/Windows 11 x64 | Compatible processor series: AMD Ryzen 7000 Series | Processor manufacturer: AMD | Processor socket: Socket AM5 | Supported processor sockets: Socket AM5 | ECC compatibility: ECC & Non-ECC | Maximum internal memory: 192 | Memory slots type: DIMM | Number of memory slots: 4 | Supported memory clock speed (max): 7200 | Supported memory clock speeds: 4400/4800/5200/5600/6000/6200/6400/6600/6800/7000/7200 | Supported memory types: DDR5-SDRAM | Unbuffered memory: Yes | Number of storage drives supported: 7 | RAID levels: 0/1/10 |

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RAID support: Yes | Supported storage drive interfaces: M.2,PCI Express 4.0,PCI Express 5.0,SATA III | Supported storage drive types: HDD & SSD | HDCP: Yes | Maximum resolution: 3840 x 2160 | Parallel processing technology support: Crossfire | 12V power connector: Yes | ATX Power connector (24-pin): Yes | Chassis intrusion connector: Yes | CPU fan connector: Yes | EPS power connector (8-pin): Yes | Front panel audio connector: Yes | Number of chassis fan connectors: 3 | Number of SATA III connectors: 4 | RGB LED pin header: Yes | Thunderbolt headers: 1 | TPM connector: Yes | USB 2.0 connectors: 2 | USB 3.2 Gen 1 (3.1 Gen 1) connectors: 3 | DisplayPort version: 1.4 | DisplayPorts quantity: 1 | Ethernet LAN (RJ-45) ports: 1 | HDMI ports quantity: 1 | HDMI version: 2.1 | Headphone outputs: 3 | Microphone in: Yes | USB 2.0 ports quantity: 4 | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity: 2 | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity: 1 | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity: 1 | USB connector type: USB Type-A/USB Type-C | Ethernet interface type: 2.5 Gigabit Ethernet | Ethernet LAN: Yes | LAN controller: Dragon RTL8125BG | Wi-Fi: No | Number of M.2 (M) slots: 3 | PCI Express x16 (Gen 3.x) slots: 1 | PCI Express x16 (Gen 4.x) slots: 1 | BIOS memory size: 256 | BIOS type: UEFI AMI | Depth: 244 | Width: 244 | Cables included: SATA | Screws included: Yes | Model: B650M PG Lightning | Units per Shipping Box: 10 | Unit Calculated Volume: 0.005541 | Unit Calculated Weight: 1.22

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