

## MB AM5 ASRock B650 PG LIGHTNING 90-MXBK20-A0UAYZ

Šifra: 61776

Kategorija proizvoda: AMD MATIČNE PLOČE

Proizvođač: asrock

Cena: **21.560,00** rsd.



### Unique Feature

#### **Superb Productivity**

- PCIe Gen5 (M.2)
- Dual Channel DDR5

#### **Rock-Solid Durability**

- 14+2+1 Power Phase, 60A SPS
- Pre-Installed I/O Shield

#### **Ultrafast Connectivity**

- 2.5G LAN
- ASRock Lightning Gaming Ports

#### **EZ Update**

- BIOS Flashback Button
- ASRock Auto Driver Installer

#### **EZ Troubleshooter**

- [ASRock Post Status Checker](#)

### CPU

- Supports AMD Socket AM5 Ryzen™ 7000 Series Processors

### Chipset

- AMD B650

### Memory

- Dual Channel DDR5 Memory Technology
- 4 x DDR5 DIMM Slots
- Supports DDR5 non-ECC, un-buffered memory up to 6400+(OC)\*
- Max. capacity of system memory: 128GB\*
- Supports Extreme Memory Profile (XMP) and EXTended Profiles for Overclocking (EXPO) memory modules

### BIOS

- 256Mb AMI UEFI Legal BIOS with GUI support

## Graphics

Integrated AMD RDNA™ 2 graphics (Actual support may vary by CPU)

- 1 x HDMI 2.1 TMDS/FRL 8G Compatible, supports HDR, HDCP 2.3 and max. resolution up to 4K 120Hz

## Audio

- 7.1 CH HD Audio (Realtek ALC897 Audio Codec)
- Nahimic Audio

## LAN

- 2.5 Gigabit LAN 10/100/1000/2500 Mb/s
- Dragon RTL8125BG
- Supports Phantom Gaming LAN Software
- Smart Auto Adjust Bandwidth Control
- Visual User Friendly UI
- Visual Network Usage Statistics
- Optimized Default Setting for Game, Browser, and Streaming Modes
- User Customized Priority Control

## Slots

### **CPU:**

- 1 x PCIe 4.0 x16 Slot (PCIE1), supports x16 mode\*

### **Chipset:**

- 1 x PCIe 4.0 x16 Slot (PCIE3), supports x2 mode\*
- 2 x PCIe 4.0 x1 Slots (PCIE2 and PCIE4)\*
- 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module

- 15μ Gold Contact in VGA PCIe Slot (PCIE1)

\*Supports NVMe SSD as boot disks

## Storage

### **CPU:**

- 1 x Blazing M.2 Socket (M2\_1, Key M), supports type 2280 PCIe Gen5x4 (128 Gb/s) mode\*
- 1 x Hyper M.2 Socket (M2\_2, Key M), supports type 2280 PCIe Gen4x4 (64 Gb/s) mode\*

### **Chipset:**

- 1 x M.2 Socket (M2\_3, Key M), supports type 2280 PCIe Gen4x2 (32 Gb/s) mode\*
- 4 x SATA3 6.0 Gb/s Connectors

\*Supports NVMe SSD as boot disks

Supports ASRock U.2 Kit

## RAID

- Supports RAID 0, RAID 1 and RAID 10 for SATA storage devices
- Supports RAID 0, RAID 1 and RAID 10 for M.2 NVMe storage devices

\*Requires additional M.2 NVMe expansion cards to support RAID 10

## USB

- 1 x USB 3.2 Gen2x2 Type-C (Rear)
- 1 x USB 3.2 Gen2 Type-C (Front)
- 9 x USB 3.2 Gen1 (7 Rear, 2 Front)
- 8 x USB 2.0 (4 Rear, 4 Front)

\*All USB ports support ESD Protection

## Connector

- 1 x SPI TPM Header
- 1 x Power LED and Speaker Header
- 1 x RGB LED Header\*
- 3 x Addressable LED Headers\*\*
- 1 x CPU Fan Connector (4-pin)\*\*\*
- 1 x CPU/Water Pump Fan Connector (4-pin) (Smart Fan Speed Control)\*\*\*\*
- 4 x Chassis/Water Pump Fan Connectors (4-pin) (Smart Fan Speed Control)\*\*\*\*\*
- 1 x 24 pin ATX Power Connector
- 2 x 8 pin 12V Power Connectors (Hi-Density Power Connector)
- 1 x Front Panel Audio Connector
- 2 x USB 2.0 Headers (Support 4 USB 2.0 ports)
- 1 x USB 3.2 Gen1 Header (Supports 2 USB 3.2 Gen1 ports)
- 1 x Front Panel Type C USB 3.2 Gen2 Header (ReDriver)

\*Supports in total up to 12V/3A, 36W LED Strip

\*\*Support in total up to 5V/3A, 15W LED Strip

\*\*\*CPU\_FAN1 supports the fan power up to 1A (12W).

\*\*\*\*CPU\_FAN2/WP supports the fan power up to 2A (24W).

\*\*\*\*\*CHA\_FAN1~4/WP support the fan power up to 2A (24W).

CPU\_FAN2/WP and CHA\_FAN1~4/WP can auto detect if 3-pin or 4-pin fan is in use.

## Rear Panel I/O

- 2 x Antenna Mounting Points
- 1 x HDMI Port
- 1 x USB 3.2 Gen2x2 Type-C Port (20 Gb/s) (ReDriver)
- 7 x USB 3.2 Gen1 Ports (USB32\_34 are Lightning Gaming Ports) (USB32\_12 and USB32\_56 are from ASMedia ASM1074 hub)
- 4 x USB 2.0 Ports
- 1 x RJ-45 LAN Port
- 1 x BIOS Flashback Button
- HD Audio Jacks: Line in / Front Speaker / Microphone

## Software and UEFI

### Software

- ASRock Motherboard Utility (Phantom Gaming Tuning)
- ASRock Phantom Gaming LAN Software
- ASRock Polychrome SYNC\*

### UEFI

- ASRock Full HD UEFI
- ASRock Auto Driver Installer
- ASRock Instant Flash

\*These utilities can be downloaded from ASRock Live Update & APP Shop.

#### Accessories

- 1 x User Manual
- 2 x SATA Data Cables
- 3 x Screws for M.2 Sockets

#### Form Factor

- ATX Form Factor: 12.0-in x 9.6-in, 30.5 cm x 24.4 cm
- 8 Layer PCB

#### OS

- Microsoft® Windows® 10 64-bit / 11 64-bit

#### Certifications

- FCC, CE
- ErP/EuP ready (ErP/EuP ready power supply is required)