

ASRock®

A620AM-P



AMD
SOCKET
AM5

A620A

AMD
RYZEN

AMD

AMD RYZEN™ 9000 DESKTOP READY

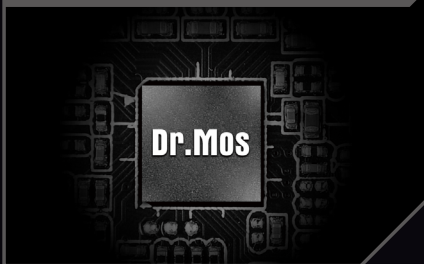
PRODUCT BRIEF :

- Supports AMD Socket AM5 Ryzen™ 9000, 8000 and 7000 Series Processors
- Dr.MOS Power Design, 2oz Copper PCB
- 2 x DDR5 DIMMs
Supports Dual Channel, up to 6800+ (OC)
- 1 PCIe 4.0 x16, 2 PCIe 3.0 x1, 1 M.2 Key E for WiFi
- Graphics Output Options: 1 HDMI, 1 DisplayPort
- Realtek ALC897 7.1 CH HD Audio Codec
- 1 Hyper M.2 (PCIe Gen4x4)
- 1 Ultra M.2 (PCIe Gen3x4 & SATA3)
- 2 SATA3
- 1 USB 3.2 Gen1 Type-C (Front)
- 6 USB 3.2 Gen1 (4 Rear, 2 Front)
- 8 USB 2.0 (4 Rear, 4 Front)
- Realtek Gigabit LAN
- Supports BIOS Flashback



I/O OVERVIEW

Dr.MOS



Dual Graphics Outputs



Hyper M.2 (PCIe Gen4 x4)



ASRock
AUTO DRIVER
INSTALLER



2oz Copper PCB



USB 3.2 Gen1 Front Type-C



Polychrome RGB



M.2 Key E for WiFi



*WiFi module is not included.
**Supports PCIe WiFi module only.



ASRock
Post Status
Checker

Detail Specification

Platform	- Micro ATX Form Factor: 9.6-in x 9.0-in, 24.4 cm x 22.9 cm - 2oz Copper PCB	Rear Panel I/O	- 2 x Antenna Mounting Points - 1 x HDMI Port - 1 x DisplayPort 1.4 - 4 x USB 3.2 Gen1 Type-A Ports - 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
Unique Feature	Superb Productivity - Dual Channel DDR5 Rock-Solid Durability - 4+1+1 Power Phase, Dr.MOS for Vcore EZ Update - BIOS Flashback Button - ASRock Auto Driver Installer EZ Troubleshooter - ASRock Post Status Checker	Storage	CPU: - 1 x Hyper M.2 Socket (M2_1, Key M), supports type 2280 PCIe Gen4x4 (64 Gb/s) mode* Chipset: - 1 x Ultra M.2 Socket (M2_2, Key M), supports type 2280 SATA3 6.0 Gb/s & PCIe Gen3x4 (32 Gb/s) modes* - 2 x SATA3 6.0 Gb/s Connectors * M2_1 is the first priority for M.2 installation. * Supports NVMe SSD as boot disks
CPU	- Supports AMD Socket AM5 Ryzen™ 9000, 8000 and 7000 Series Processors* * Please refer to CPU Support List on ASRock's website for more information. (http://www.asrock.com/) * The availability of expansion slots may vary by CPU. Please refer to PCIe/M.2 Bandwidth Table for details. (http://www.asrock.com/)	RAID	- Supports RAID 0 and RAID 1 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
Chipset	- AMD A620A	Connector	- 1 x Power LED and Speaker Header - 1 x RGB LED Header* - 3 x Addressable LED Headers** - 1 x CPU Fan Connector (4-pin) (Smart Fan Speed Control)** - 3 x Chassis/Water Pump Fan Connectors (4-pin) (Smart Fan Speed Control)** - 1 x 24 pin ATX Power Connector - 1 x 8 pin 12V Power Connector (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 Gen1 Header * 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). *** CHA_FAN1~3/WP support the fan power up to 3A (36W). *** CHA_FAN1~3/WP can auto detect if 3-pin or 4-pin fan is in use.
Memory	- Dual Channel DDR5 Memory Technology - 2 x DDR5 DIMM Slots - Supports DDR5 non-ECC, un-buffered memory up to 6800+(OC)* - Max. capacity of system memory: 128GB - Supports Extreme Memory Profile (XMP) and EXTended Profiles for Overclocking (EXPO) memory modules * Please refer to Memory Support List on ASRock's website for more information. (http://www.asrock.com/)	BIOS Feature	- 256Mb AMI UEFI Legal BIOS with GUI support
Expansion Slot	CPU: - 1 x PCIe 4.0 x16 Slot (PCIe1), supports x16 mode* Chipset: - 2 x PCIe 3.0 x1 Slots (PCIe2 and PCIe3)* - 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module * PCIe1 will run at Gen4x16 with 9000 and 7000 series processors, Gen4x8 with 8000 (Phoenix 1) series processors and Gen4x4 with 8000 (Phoenix 2) series processors. * Supports NVMe SSD as boot disks	Software and UEFI	Software - ASRock Motherboard Utility (A-Tuning) - ASRock Polychrome SYNC * These utilities can be downloaded from ASRock Live Update & APP Shop. UEFI - ASRock Full HD UEFI - ASRock Auto Driver Installer - ASRock Instant Flash
Graphics	Integrated AMD RDNA™ 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 - 1 x DisplayPort 1.4 with DSC (compressed), supports HDCP 2.3 and max. resolution up to 4K 120Hz	OS	- Microsoft® Windows® 10 64-bit / 11 64-bit
Audio	- 7.1 CH HD Audio (Realtek ALC897 Audio Codec)	Certifications	- FCC, CE - ErP/EuP ready (ErP/EuP ready power supply is required)
LAN	- Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111H	Accessories	- 1 x I/O Shield - 2 x SATA Data Cables - 1 x Screw for M.2 Socket
USB	CPU: - 3 x USB 3.2 Gen1 Type-A (Rear (USB32_2 and USB32_34)) Chipset: - 1 x USB 3.2 Gen1 Type-C (Front) - 3 x USB 3.2 Gen1 Type-A (1 Rear (USB32_1), 2 Front) - 8 x USB 2.0 (4 Rear, 4 Front) * All USB ports support ESD Protection		