

A620M PRO **RS**

DDR -





SOCKET AM5

- · Supports AMD Socket AM5 Ryzen[™] 7000 Series Processors
- · 6+2+1 Power Phase, Dr.MOS
- Supports DDR5 6000+ MHz (OC)
- · 1 PCIe 4.0 x16, M.2 Key E for WiFi
- Integrated AMD RDNA[™] 2 Graphics ^{*1}
- · Graphics Output Options: HDMI, DisplayPort
- · Realtek ALC897 7.1 CH HD Audio Codec. Nahimic Audio
- · 4 SATA3, 2 Hyper M.2 (PCle Gen4x4), 1 M.2 (PCIe Gen3x2)
- · 2 USB 3.2 Gen1 Type-C (1 Rear, 1 Front), 5 USB 3.2 Gen1 Type-A (3 Rear, 2 Front)
- · Realtek Gigabit LAN

· Supports ASRock Auto Driver Installer, **BIOS Flashback**

*1 Actual support may vary by CPU

I/O OVERVIEW



DR. MOS

M.2 (KEY E)

FOR WiFi

Users may upgrade wireless module by M.2 (Key E) slot

Intelligently delivering higher current for each phase, thus providing improved thermal result and superior performance.



NAHIMIC AUDIO

Optimized to who is looking

for an outstanding sound experience in high definition.

DELUXE M.2 OPTIONS

Multiple M.2 slots for SSD giving fast and ample storage solution



AUTO DRIVER INSTALLER

The LAN driver has already prepacked in BIOS ROM, simply follow the instructions and install all necessary drivers automatically right after installing the operation system!



USB 3.2 TYPE-C (FRONT + REAR)

Providing a blazing fast data transfer interface with reversible USB Type-C design that fits the connector either way



PRE-INSTALLED I/O SHIELD ASRock pre-installs the I/O shield for you as an assembly helper to









A620M PR0 **RS**



Detail Specification

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Platform	- Micro ATX Form Factor: 9.6-in x 9.6-in, 24.4 cm x 24.4 cm	Rear Panel I/O	- 2 x Antenna Mounting Points - 1 x HDMI Port - 1 x DisplayPort 1.4
Unique Feature	Superb Productivity - Dual Channel DDR5 Rock-Solid Durability - 6+2+1 Power Phase, 50A Dr.MOS - Pre-Installed I/O Shield EZ Update - BIOS Flashback Button - ASRock Auto Driver Installer EZ Troubleshooter		 1 x Display-out 1.4 3 x USB 3.2 Gen1 Type-A Ports 1 x USB 3.2 Gen1 Type-C Port 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
	- ASRock Post Status Checker	Storage	CPU: - 1 x Hyper M.2 Socket (M2_1, Key M), supports type 2260/2280 PCIe Gen4x4 (64 Gb/s) mode* - 1 x Hyper M.2 Socket (M2_2, Key M), supports type 2260/2280 PCIe Gen4x4 (64 Gb/s) mode*
CPU	- Supports AMD Socket AM5 Ryzen [™] 7000 Series Processors		Chipset: - 1 x M.2 Socket (M2_3, Key M), supports type 2260/2280 PCIe Gen3x2 (16 Gb/s) mode* - 4 x SATA3 6.0 Gb/s Connectors
Chipset	- AMD A620		* Supports NVMe SSD as boot disks
Memory	- Dual Channel DDR5 Memory Technology - 4 x DDR5 DIMM Slots - Supports DDR5 non-ECC, un-buffered memory up to 6000+(OC)* - Max. capacity of system memory: 128GB - Supports Extreme Memory Profile (XMP) and EXTended Profiles for Overclocking	RAID	- Supports RAID 0, RAID 1 and RAID 10 for SATA storage devices
	(EXPO) memory modules * Please refer to Memory Support List on ASRock's website for more information. (http://www.asrock.com/)		 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
Expansion Slot	CPU: - 1 x PCIe 4.0 x16 Slot (PCIE1), supports x16 mode* Chipset: - 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module * Supports NVMe SSD as boot disks - 15μ Gold Contact in VGA PCIe Slot (PCIE1)	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) (Smart Fan Speed Control)**** 3 x Chassis/Water Pump Fan Connector (4-pin) (Smart Fan Speed Control)**** 3 x Chassis/Water Pump Fan Connector (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
Graphics	Integrated AMD RDNATM 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 - 1 x DisplayPort 1.4 with DSC (compressed), supports HDCP 2.3 and max. resolution up to 4K 120Hz		** Support in total up to 5V/3A, 15W LED Strip *** CPU_FAN1 supports the fan power up to 1A (12W). **** CPU_FAN2WP supports the fan power up to 2A (24W). ***** CPU_FAN1-3WP support the fan power up to 2A (24W). ***** CPU_FAN2/WP and CHA_FAN1~3/WP can auto detect if 3-pin or 4-pin fan is in use.
Audio	- 7.1 CH HD Audio (Realtek ALC897 Audio Codec) - Nahimic Audio	BIOS Feature	- 256Mb AMI UEFI Legal BIOS with GUI support
LAN	- Gigabit LAN 10/100/1000 Mb/s - Realtek 8111H	Software and UEFI	Software - ASRock Motherboard Utility (A-Tuning) - ASRock Polychrome SYNC - ASRock XFast LAN * These utilities can be downloaded from ASRock Live Update & APP Shop. UEFI - ASRock Full HD UEFI - ASRock Auto Driver Installer
USB	- 2 x USB 3.2 Gen1 Type-C (1 Rear, 1 Front) - 5 x USB 3.2 Gen1 Type-A (3 Rear, 2 Front) - 8 x USB 2.0 (4 Rear, 4 Front) * All USB ports support ESD Protection		- ASRock Instant Flash
		OS	- Microsoft® Windows® 10 64-bit / 11 64-bit
		Certifications	 - FCC, CE - ErP/EuP ready (ErP/EuP ready power supply is required)
		Accessories	 1 x User Manual 2 x SATA Data Cables 4 x Screws for M.2 Sockets 1 x Standoff for M.2 Socket