

Asrock B650M Pro RS

Artikel
Herstellernummer
EAN
Asrock

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Modern and futuristic, with the attractive specifications and perfect balance, the Race Sport (RS) Edition is the evolution of the most popular PRO series motherboard.

Its unique path takes aim at mainstream DIYers that drives an undeniable performance and trustable computing experience without a pricey upgrade.

RaceSport edition, your all-rounder motherboard that fulfills every task and light-loading gaming – with style and speed!

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 6000MHz 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

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.

Aluminum Heatsink

The first thing that catches the eye is the optimized Aluminum Heatsink Design. Heatsinks are crucial for efficient heat dissipation, especially during heavy workloads like gaming or productivity tasks. Motherboard that built with heatsinks can effectively manage thermal performance, hence ensure system stability and durability effortlessly.

Fan-Tastic Tuning

ASRock A-Tuning Fan-Tastic Tuning function enables users to auto-detect the minimum duty of each fan with a single click. Users can also easily adjust the fan curve via the visualized UI interface, meeting their system's cooling performance and noise reduction requirements.

PWM/DC Fan Support

ASRock fan headers automatically detect whether fans are running in DC or PWM mode, allowing users to fine-tune the fan curve and achieve quieter operation.

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.

8+2+1 Power Phase Design

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

6 Layer PCB

The 6 Layer PCB provides stable signal traces and power shapes delivering lower temperature and higher energy efficiency, ensures a reliable and long-lasting system while delivering ultimate performance without any compromise.

2oz Copper PCB

2 ounce copper inner-800 layers that provide stable signal traces and power shapes! Delivering lower temperature and higher energy efficiency for overclocking.

Dragon 2.5 Gb/s LAN

The intelligent 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.

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.

Zusammenfassung

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Asrock B650M Pro RS, AMD, Socket AM5, AMD Ryzen™ 5, AMD Ryzen™ 7, DDR5-SDRAM, 128 GB, DIMM

Asrock B650M Pro RS. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen™ 5, AMD Ryzen™ 7. Supported memory types: DDR5-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III. Ethernet interface type: 2.5 Gigabit Ethernet, LAN controller: Dragon RTL8125BG. Component for: PC, Motherboard form factor: micro ATX, Motherboard chipset family: AMD

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BIOS		Network	
BIOS type	UEFI AMI	Ethernet LAN	Yes
		Ethernet interface type	2.5 Gigabit Ethernet
		LAN controller	Dragon RTL8125BG
		Wi-Fi	No
Storage controllers		Features	
Supported storage drive interfaces	M.2, SATA III	Motherboard chipset	AMD B650
		Audio chip	Realtek ALC897
		Audio output channels	7.1 channels
		Component for	PC
		Motherboard form factor	micro ATX
		Motherboard chipset family	AMD
		Windows operating systems supported	Windows 10 x64, Windows 11 x64
Weight & dimensions		Memory	
Width	244 mm		
Depth	244 mm		
Expansion slots			
PCI Express x16 (Gen 3.x)	1		

slots	
PCI Express x16 (Gen 4.x) slots	1
Number of M.2 (M) slots	1

Processor

Processor manufacturer	AMD
Processor socket	Socket AM5
Compatible processor series	AMD Ryzen™ 5, AMD Ryzen™ 7

Supported memory types	DDR5-SDRAM
Number of memory slots	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	Non-ECC
Maximum internal memory	128 GB
Unbuffered memory	Yes

Internal I/O

USB 2.0 connectors	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors	2
USB 3.2 Gen 2 (3.1 Gen 2) connectors	1
Number of SATA III connectors	4
Front panel audio connector	Yes
ATX Power connector (24-pin)	Yes
CPU fan connector	Yes
EPS power connector (8-pin)	Yes
TPM connector	Yes
Thunderbolt headers	1

Rear panel I/O ports

USB 2.0 ports quantity	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-2 A ports quantity	
USB 3.2 Gen 2 (3.1 Gen 2) Type-1 A ports quantity	
USB 3.2 Gen 2 (3.1 Gen 2) Type-1 C ports quantity	
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity	1
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone outputs	1
Microphone in	Yes

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.