ROG-STRIX-B550-A-GAMING

Asus ROG Strix B550-A Gaming AMD 5000 Series AM4 ATX Motherboard

Product Overview

Asus ROG Strix B550-A Gaming AMD 5000 Series AM4 ATX Motherboard, AMD B550 Chipset, 4x DDR4 DIMM slots, 1x HDMI 2.1 (4K@60Hz), 1x DisplayPort 1.2, 3x PCI-e 3.0 x1, 1x PCI-e 4.0 x16 (x16 mode), 1x PCI-e 3.0 x16 (x16 mode), 6x SATA 6Gb/s Ports, Intel I225-V 2.5Gb Ethernet, USB 3.2 Gen 1 Ports, USB 3.2 Gen 2 Port, USB 2.0 Ports, 1x Optical S/PDIF out, 5x Gold-Plated Audio jacks, 2x M.2 Socket



Specifications

Overview:

ROG STRIX B550-A GAMING

AMD B550 Ryzen AM4 Gaming ATX motherboard with PCIe 4.0, teamed power stages, Intel 2.5Gb Ethernet, dual M.2 with heatsinks, SATA 6 Gbps, USB 3.2 Gen 2 and Aura Sync RGB

- AMD AM4 socket:Ready for Ryzen 5000 Series/ 4000 G-Series/ 3000 Series Desktop Processors
- Best gaming connectivity:PCIe 4.0-ready, dual M.2, USB 3.2 Gen 2 Type-C plus HDMI 2.1 and DisplayPort 1.2 output support
- Smooth networking:Intel 2.5Gb Ethernet with ASUS LANGuard
- Robust power solution:Teamed power stages with ProCool power connector, high-quality alloy chokes and durable capacitors
- Renowned software:Intuitive dashboards for UEFI BIOS and ASUS AI Networking make it easy to configure gaming builds
- DIY-friendly design:Includes pre-mounted I/O shield, BIOS FlashBack, Q-LEDs and SafeSlot
- Unmatched personalization:ASUS-exclusive Aura Sync RGB lighting, including Aura RGB header and addressable Gen 2 RGB header
- Industry-leading gaming audio:AI Noise-Canceling Microphone, SupremeFX S1220A codec, DTS Sound Unbound and Sonic Studio III for immersive audio

Features:

Advance Your Gaming Immersion

ROG Strix B550-A Gaming is PCIe 4.0-ready and provides the latest connectivity options for supersmooth networking and blisteringly fast file transfers. Audio enhancements give you a massive advantage, allowing you to pick up on the subtlest of cues for a completely immersive gaming experience.

PCIe 4.0-Ready

ROG Strix B550-A Gaming features two M.2 slots, one of which supports the latest PCIe 4.0 standard to provide maximum

storage flexibility and the fastest data speeds available via the 3 Gen AMD Ryzen platform. Both M.2 slots support up to the type 22110 socket and NVM Express RAID for a performance boost.

All-round Performance

ROG Strix B550-A Gaming provides robust power delivery to fuel Ryzens cores, comprehensive cooling, and support for faster memory - so it has everything you need to load up your build with high-performance components for playing in the big leagues.

POWER DESIGN

Digital power control and an array of power stages ensure ROG Strix B550-A Gaming has the muscle to control the latest AMD CPUs.

PROCOOL POWER CONNECTOR

The ProCool socket is built to exacting specifications to ensure flush contact with the PSU power lines, enabling lower impedance and better heat dissipation.

DIGI+ POWER CONTROL

ASUS DIGI+ Power Control is an innovative set of controllers for digital VRM and DRAM Voltage. These controllers offer ultra precise memory and voltage tuning for optimal system efficiency, stability and performance.

TEAMED POWER STAGES

12+2 power stages combine high-side and low-side MOSFETs and drivers into a single package, delivering the power and efficiency that the AMD CPUs demand.

ALLOY CHOKE & CAPACITOR

Superior chokes and durable capacitors are engineered to resist extreme temperatures and provide up to 110% better performance than the industry standard.

6-LAYER PCB

The 6-layer PCB quickly dissipates heat around the VRM to improve overall system stability and give the CPU more overclocking headroom.

Play Your Own Style

The cyberpunk-inspired aesthetics of ROG Strix B550-A Gaming are accentuated by the bold slashes and cybertext. By pairing your rig with other products from the diverse ROG ecosystem, you can create a fully customized gaming setup that reflects your personal style.

UNDENIABLY ROG STRIX

Finished in stunning white and silver, and featuring the redesigned ROG logo and recessed cybertext markings on its I/O shroud, ROG Strix B550-A Gaming is an eye-catcher. These new design touches move ROG Strix boldly towards the future, while clearly reflecting its gaming roots.

ROG Gives You More

ROG-exclusive software utilities deliver intuitive audio tuning and gaming enhancements that allow you to configure your gaming build the way you want.

UEFI BIOS

The renowned ROG UEFI (BIOS) provides everything you need to configure, tweak, and tune your rig. It offers intelligently simplified options for newcomers to PC DIY, as well as comprehensive features for seasoned veterans.

Specifications:

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Specifications	
Product Code	ROG-STRIX-B550-A-GAMING

CPU	AMD AM4 Socket for AMD Ryzen 5000 Series/ 4000 G-Series/ 3000 Series Desktop Processors
Chipset	AMD B550
Memory	AMD Ryzen 4000 G-Series Processors
	4 x DIMM, Max. 128GB, DDR4 5100(O.C) / 4800(O.C.) / 4600(O.C) / 4400(O.C) / 4133(O.C.) / 4000(O.C.) / 3866(O.C.) / 3600(O.C.) / 3466(O.C.) / 3200 / 3000 / 2800 / 2666 / 2400 / 2133 MHz Un-buffered Memory
	4 x DIMM, Max. 128GB, DDR4 4600(O.C) / 4400(O.C) / 4133(O.C.) / 4000(O.C.) / 3866(O.C.) / 3600(O.C.) / 3466(O.C.) / 3200 / 3000 / 2800 / 2666 / 2400 / 2133 MHz Un-buffered Memory
	OptiMem II
	Dual Channel Memory Architecture
	ECC Memory (ECC mode) support varies by CPU.
Graphic	1 x HDMI 2.1(4K@60HZ)
	1 x DisplayPort 1.2
	*Graphics specifications may vary between CPU types.
	Integrated Graphics Processor
Multi-GPU Support	Supports AMD 2-Way CrossFireX Technology
Expansion Slots	AMD Ryzen 5000 Series/ 3000 Series Desktop Processors
	AMD B550 Chipset
	1 x PCIe 3.0 x16 (x4 mode)
	3 x PCIe 3.0 x1
	1 x PCIe 4.0 x16 (x16 mode)
	1 x PCIe 3.0 x16 (x16 mode)
Storage	AMD Ryzen 4000 G-Series Processor :
	AMD Ryzen 5000 Series/ 3000 Series Desktop Processors :
	1 x M.2_1 socket 3, with M key, type 2242/2260/2280/22110 storage devices support (SATA & PCIE 3.0 x 4 mode)
	1 x M.2_2 socket 3, with M key, type 2242/2260/2280/22110 storage devices support (SATA & PCIE 3.0 x 4 mode)
	Total supports 2 x M.2 slot(s) and 6 x SATA 6Gb/s ports
	1 x M.2_1 socket 3, with M key, type 2242/2260/2280/22110 storage devices support(SATA & PCIe 4.0 x4 mode)
	AMD B550 Chipset :
	Support Raid 0, 1, 10
	6 x SATA 6Gb/s port(s)
LAN	Intel I225-V 2.5Gb Ethernet
	ASUS LANGuard

Audio	- Audio Shielding
	- Premium Japanese audio capacitors
	- Audio Cover
	- Optical S/PDIF in port(s) at back panel
	ROG SupremeFX8-Channel High Definition Audio CODEC S1220A
	- Dual OP Amplifiers
	- Impedance sense for front and rear headphone outputs
	- Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking
	- High quality120dBSNR stereo playback outputand113dBSNR recording input
	- Supports up to 32-Bit/192kHz playback
	Audio Feature :
	- SupremeFX Shielding Technology
	- Gold-plated jacks
	* Due to limitations in HDA bandwidth, 32-Bit/192kHz is not supported for 8-Channel audio.
USB Ports	Front USB Port (Total 6)
	Rear USB Port (Total 8)
	4 x USB 3.2 Gen 1 port(s)(4 x Type-A)
	2 x USB 3.2 Gen 2 port(s)(1 x Type-A +1 x USB Type-C)
	2 x USB 3.2 Gen 1 port(s)
	2 x USB 2.0 port(s)
	4 x USB 2.0 port(s)
Software Features	ROG Exclusive Software - RAMCache III - ROG CPU-Z - GameFirst VI - Sonic Studio III + Sonic Studio Virtual Mixer - Sonic Radar III - DTS Sound Unbound - Overwolf - Anti-virus software ASUS Exclusive Software Features Armoury Crate - Aura Creator - Aura Sync - AI Noise Cancelling Microphone AI Suite 3: - PPSU EPU DIGI+ VRM Fan Xpert 4 TurboV EVO - EZ update WinRAR UEFI BIOS ASUS EZ DIY - ASUS CrashFree BIOS 3 - ASUS EZ Flash 3 - ASUS UEFI BIOS EZ Mode
ASUS Special Features	Aura Sync - Standard RGB header(s) - Addressable Gen 2 RGB header(s) ASUS Q-Design - ASUS Q-DIMM - ASUS Q-LED (DRAM [yellow], CPU [red], VGA [white], Boot Device [yellow green) - ASUS Q-Slot ASUS Thermal Solution - Aluminum M.2 heatsink ASUS EZ DIY -BIOS FlashBack button -BIOS FlashBack LED -Clear CMOS header -ProCool -Pre-mounted I/O shield - SafeSlot

Back I/O Ports	1 x BIOS FlashBack Button(s)
	2 x USB 3.2 Gen 2 (1 x Type-A+1 x USB Type-C)
	1 x Intel I225-V 2.5Gb Ethernet
	4 x USB 3.2 Gen 1
	1 x DisplayPort
	1 x HDMI
	2 x USB 2.0
	1 x Optical S/PDIF out
	5 x Gold-plated audio jacks
Internal I/O Ports	1 x M.2 Socket 1 with M key, type 2242/2260/2280/22110 storage devices support(SATA & PCIe 4.0 x4 mode)
	1 x M.2 Socket 2 with M key, type 2242/2260/2280/22110 storage devices support (SATA & PCIE 3.0 x 4 mode)
	1 x USB 3.2 Gen 1(up to 5Gbps) connector(s) support(s) additional 2 USB 3.2 Gen 1 port(s)
	1 x Thunderbolt header(s)
	1 x CPU Fan connector(s)
	1 x CPU OPT Fan connector(s)
	3 x Chassis Fan connector(s)
	1 x AIO_PUMP connector
	1 x AAFP connector
	2 x Aura RGB Strip Header(s)
	1 x Addressable Gen 2 header(s)
	2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s)
	6 x SATA 6Gb/s connector(s)
	1 x 24-pin EATX Power connector(s)
	1 x 8-pin ATX 12V Power connector(s)
	1 x 4-pin ATX 12V Power connector(s)
	1 x System panel(s)
	1 x Thermal sensor connector(s)
	1 x Clear CMOS jumper(s)

Accessories	1 x M.2 SSD screw package(s)
	1 x M.2 Rubber Package(s)
	User's manual
	4 x SATA 6Gb/s cable(s)
	1 x Supporting DVD
	1 x ROG Strix stickers
	1 x Cable ties pack(s)
	1 x Extension cable for Addressable LED
	1 x ROG Thank you card
BIOS	256 Mb Flash ROM, UEFI AMI BIOS
Manageability	WOL by PME, PXE
Operating System	Windows 10 64-bit
Form Factor	ATX Form Factor
	12 inch x 9.6 inch (30.5 cm x 24.4 cm)
Note	* Share bandwidth with PCIe3.0 x1_1, PCIe3.0 x1_2, PCIe3.0 x1_3 * When the M.2_2 Socket 3 is populated, SATA6G_5/6 ports will be disabled.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/ROG-STRIX-B550-A-GAMING-Asus-ROG-Strix-B550-A-Gaming-AMD-5000-Series-AM4-ATX-Motherboard-p-318765.php

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