**FEATURES**

* Supports 3rd Gen AMD AM4 Ryzen™ / Future AMD Ryzen™ Processors
* 6 Power Phase Design
* Supports DDR4 4600+ (OC)
* 1 PCIe 4.0 x16, 1 PCIe 3.0 x1
* Graphics Output Options: HDMI, DVI-D, D-Sub
* 7.1 CH HD Audio (Realtek ALC887 Audio Codec)
* 4 SATA3, 1 Hyper M.2 (PCIe Gen4 x4 & SATA3)
* 6 USB 3.2 Gen1 (2 Front, 4 Rear)
* Gigabit LAN

**SPECIFICATIONS**

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| Unique Feature | **ASRock Super Alloy** - Premium 50A Power Choke - Sapphire Black PCB - High Density Glass Fabric PCB **ASRock Hyper M.2** (PCIe Gen4x4) **ASRock Full Spike Protection** (for all USB, Audio, LAN Ports) **ASRock Live Update & APP Shop** |
| CPU | - Supports 3rd Gen AMD AM4 Ryzen™ / future AMD Ryzen™ Processors\* - 6 Power Phase design  \*Not compatible with AMD Ryzen™ 5 3400G and Ryzen™ 3 3200G. |
| Chipset | - AMD B550 |
| Memory | - Dual Channel DDR4 Memory Technology - 2 x DDR4 DIMM Slots - AMD Ryzen series CPUs (Matisse) support DDR4 4600+(OC) / 4533(OC) / 4466(OC) / 4400(OC) / 4333(OC) / 4333(OC) / 4266(OC) / 4200(OC) / 4133(OC) / 4000(OC) / 3866(OC) / 3800(OC) / 3733(OC) / 3600(OC) / 3466(OC) / 3200 / 2933 / 2667 / 2400 / 2133 ECC & non-ECC, un-buffered memory\* - AMD Ryzen series APUs support DDR4 4733+(OC) / 4666(OC) / 4600(OC) / 4533(OC) / 4466(OC) / 4400(OC) / 4333(OC) / 4266(OC) / 4200(OC) / 4133(OC) / 4000(OC) / 3866(OC) / 3800(OC) / 3733(OC) / 3600(OC) / 3466(OC) / 3200 / 2933 / 2667 / 2400 / 2133 ECC & non-ECC, un-buffered memory\* - Max. capacity of system memory: 64GB\*\* - Supports Extreme Memory Profile (XMP) memory modules - 15μ Gold Contact in DIMM Slots\*  \*\*Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® 32-bit OS. For Windows® 64-bit OS with 64-bit CPU, there is no such limitation. |
| BIOS | - 256Mb AMI UEFI Legal BIOS with GUI support - Supports "Plug and Play" - ACPI 5.1 compliance wake up events - Supports jumperfree - SMBIOS 2.3 support - CPU, CPU VDDCR\_SOC, DRAM, VDDP Voltage Multi-adjustment |
| Graphics | - Integrated AMD Radeon Vega Series Graphics in Ryzen Series APU\* - DirectX 12, Pixel Shader 5.0 - Shared memory default 2GB. Max Shared memory supports up to 16GB.\*\* - Three graphics output options: D-Sub, DVI-D and HDMI - Supports Triple Monitor - Supports HDMI 2.1 with max. resolution up to 4K x 2K (4096x2160) @ 60Hz - Supports DVI-D with max. resolution up to 1920x1200 @ 60Hz - Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI 2.1 Port (Compliant HDMI monitor is required) - Supports HDR (High Dynamic Range) with HDMI 2.1 - Supports HDCP 2.3 with DVI-D and HDMI 2.1 Ports - Supports 4K Ultra HD (UHD) playback with HDMI 2.1 Port - Supports Microsoft® PlayReady  \*Actual support may vary by CPU  \*\*The Max shared memory 16GB requires 32GB system memory installed. |
| Audio | - 7.1 CH HD Audio (Realtek ALC887 Audio Codec) - Supports Surge Protection |
| LAN | - PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111H - Supports Wake-On-LAN - Supports Lightning/ESD Protection - Supports Energy Efficient Ethernet 802.3az - Supports PXE |
| Slots | AMD Ryzen series CPUs (Matisse) - 1 x PCI Express 4.0 x16 Slot (PCIE1: x16 mode)\* AMD Ryzen series APUs - 1 x PCI Express 3.0 x16 Slot (PCIE1: x16 mode)\*  - 1 x PCI Express 3.0 x1 Slot  \*Supports NVMe SSD as boot disks |
| Storage | - 4 x SATA3 6.0 Gb/s Connectors, support RAID (RAID 0, RAID 1 and RAID 10), NCQ, AHCI and Hot Plug - 1 x Hyper M.2 Socket, supports M Key type 2242/2260/2280 M.2 SATA3 6.0 Gb/s module and M.2 PCI Express module up to Gen4x4 (64 Gb/s) (with Matisse) or Gen3x4 (32 Gb/s)\*  \*Supports NVMe SSD as boot disks Supports ASRock U.2 Kit |
| Connector | - 1 x SPI TPM Header - 1 x COM Port Header - 1 x Chassis Intrusion and Speaker Header - 1 x CPU Fan Connector (4-pin)\* - 2 x Chassis Fan Connectors (4-pin) (Smart Fan Speed Control)\*\* - 1 x 24 pin ATX Power Connector - 1 x 4 pin 12V Power Connector - 1 x Front Panel Audio Connector - 2 x USB 2.0 Headers (Support 4 USB 2.0 ports) (Supports ESD Protection) - 1 x USB 3.2 Gen1 Header (Supports 2 USB 3.2 Gen1 ports) (Supports ESD Protection)  \*The CPU Fan Connector supports the CPU fan of maximum 1A (12W) fan power.  \*\*The Chassis Fan supports the water cooler fan of maximum 1A (12W) fan power. CHA\_FAN2 can auto detect if 3-pin or 4-pin fan is in use. |
| Rear Panel I/O | - 1 x PS/2 Mouse/Keyboard Port - 1 x D-Sub Port - 1 x DVI-D Port - 1 x HDMI Port - 2 x USB 2.0 Ports (Supports ESD Protection) - 4 x USB 3.2 Gen1 Ports (Supports ESD Protection) - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jacks: Line in / Front Speaker / Microphone |
| Software and UEFI | **Software** - ASRock Motherboard Utility (A-Tuning) - ASRock XFast LAN **UEFI** - ASRock Full HD UEFI - ASRock Instant Flash  \*These utilities can be downloaded from ASRock Live Update & APP Shop. |
| Support CD | - Drivers, Utilities, AntiVirus Software (Trial Version), Google Chrome Browser and Toolbar |
| Accessories | - Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables - 1 x Screw for M.2 Socket |
| Hardware Monitor | - Temperature Sensing: CPU, Chassis Fans - Fan Tachometer: CPU, Chassis Fans - Quiet Fan (Auto adjust chassis fan speed by CPU temperature): CPU, Chassis Fans - Fan Multi-Speed Control: CPU, Chassis Fans - CASE OPEN detection - Voltage monitoring: +12V, +5V, +3.3V, CPU Vcore |
| Form Factor | - Micro ATX Form Factor: 9.0-in x 7.9-in, 23.0 cm x 20.1 cm - Solid Capacitor design |
| OS | - Microsoft® Windows® 10 64-bit |
| Certifications | - FCC, CE - ErP/EuP ready (ErP/EuP ready power supply is required) |
| Warranty | 3 Years |
| Notes | \*\*\*Features, Price and Specifications are subject to change without notice. |