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| Unique Feature | <p><b>Superb Productivity</b></p> <ul style="list-style-type: none"><li>- PCIe Gen5 (M.2)</li><li>- Dual Channel DDR5</li></ul> <p><b>Rock-Solid Durability</b></p> <ul style="list-style-type: none"><li>- 14+2+1 Power Phase, 60A SPS with Enlarged Heatsink Armor</li><li>- Flexible Integrated I/O Shield</li><li>- Nichicon 12K Black Caps (100% Japan made high quality conductive polymer capacitors) for VCore</li></ul> <p><b>Ultrafast Connectivity</b></p> <ul style="list-style-type: none"><li>- 2.5G LAN</li><li>- ASRock Lightning Gaming Ports EZ Update</li><li>- BIOS Flashback Button</li><li>- ASRock Auto Driver Installer</li></ul> <p><b>EZ Troubleshooter</b></p> <ul style="list-style-type: none"><li>- <a href="#">ASRock Post Status Checker</a></li></ul> |
| CPU            | <ul style="list-style-type: none"><li>- Supports AMD Socket AM5 Ryzen™ 7000 Series Processors</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Chipset        | <ul style="list-style-type: none"><li>- AMD B650</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Memory         | <ul style="list-style-type: none"><li>- Dual Channel DDR5 Memory Technology</li><li>- 4 x DDR5 DIMM Slots</li><li>- Supports DDR5 non-ECC, un-buffered memory up to 6400+(OC)*</li><li>- Max. capacity of system memory: 128GB</li><li>- Supports Extreme Memory Profile (XMP) and EXTended Profiles for Overclocking (EXPO) memory modules</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BIOS           | <ul style="list-style-type: none"><li>- 256Mb AMI UEFI Legal BIOS with GUI support</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Graphics       | <p>Integrated AMD RDNA™ 2 graphics (Actual support may vary by CPU)</p> <ul style="list-style-type: none"><li>- 1 x HDMI 2.1 TMDS/FRL 8G Compatible, supports HDR, HDCP 2.3 and max. resolution up to 4K 120Hz</li><li>- 1 x DisplayPort 1.4 with DSC (compressed), supports HDCP 2.3 and max. resolution up to 4K 120Hz</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Audio          | <ul style="list-style-type: none"><li>- 7.1 CH HD Audio (Realtek ALC897 Audio Codec)</li><li>- Nahimic Audio</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LAN            | <ul style="list-style-type: none"><li>- 2.5 Gigabit LAN 10/100/1000/2500 Mb/s</li><li>- Dragon RTL8125BG</li><li>- Supports Dragon 2.5G LAN Software<ul style="list-style-type: none"><li>- Smart Auto Adjust Bandwidth Control</li><li>- Visual User Friendly UI</li><li>- Visual Network Usage Statistics</li><li>- Optimized Default Setting for Game, Browser, and Streaming Modes</li><li>- User Customized Priority Control</li></ul></li></ul>                                                                                                                                                                                                                                                                                                                                  |
| Slots          | <p><b>CPU:</b></p> <ul style="list-style-type: none"><li>- 1 x PCIe 4.0 x16 Slot (PCIE1), supports x16 mode*</li><li>- 1 x PCIe 4.0 x16 Slot (PCIE2), supports x4 mode*</li></ul> <p><b>Chipset:</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|                | <ul style="list-style-type: none"><li>- 1 x PCIe 4.0 x16 Slot (PCIe3), supports x4 mode*</li><li>- 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module</li></ul><br><ul style="list-style-type: none"><li>- Supports AMD CrossFire™</li><li>- 15μ Gold Contact in VGA PCIe Slot (PCIe1)</li></ul><br><p>*If M2_3 is occupied, PCIe3 will be disabled.<br/>Supports NVMe SSD as boot disks</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage        | <p><b>CPU:</b></p> <ul style="list-style-type: none"><li>- 1 x Blazing M.2 Socket (M2_1, Key M), supports type 2260/2280 PCIe Gen5x4 (128 Gb/s) mode*</li></ul> <p><b>Chipset:</b></p> <ul style="list-style-type: none"><li>- 1 x Hyper M.2 Socket (M2_2, Key M), supports type 2260/2280 PCIe Gen4x4 (64 Gb/s) mode*</li><li>- 1 x Hyper M.2 Socket (M2_3, Key M), supports type 2260/2280 PCIe Gen4x4 (64 Gb/s) mode*</li><li>- 2 x SATA3 6.0 Gb/s Connectors</li></ul><br><p>*Supports NVMe SSD as boot disks<br/>Supports ASRock U.2 Kit<br/>If M2_3 is occupied, PCIe3 will be disabled.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RAID           | <ul style="list-style-type: none"><li>- Supports RAID 0 and RAID 1 for SATA storage devices</li><li>- Supports RAID 0, RAID 1 and RAID 10 for M.2 NVMe storage devices*</li></ul><br><p>*Requires additional M.2 NVMe expansion cards to support RAID 10</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Connector      | <ul style="list-style-type: none"><li>- 1 x SPI TPM Header</li><li>- 1 x Power LED and Speaker Header</li><li>- 1 x RGB LED Header*</li><li>- 3 x Addressable LED Headers**</li><li>- 1 x CPU Fan Connector (4-pin)***</li><li>- 1 x CPU/Water Pump Fan Connector (4-pin) (Smart Fan Speed Control)****</li><li>- 4 x Chassis/Water Pump Fan Connectors (4-pin) (Smart Fan Speed Control)*****</li><li>- 1 x 24 pin ATX Power Connector (Hi-Density Power Connector)</li><li>- 2 x 8 pin 12V Power Connectors (Hi-Density Power Connector)</li><li>- 1 x Front Panel Audio Connector</li><li>- 1 x Thunderbolt™ AIC Connector (5-pin) (Supports ASRock Thunderbolt™ 4 AIC Card)</li><li>- 2 x USB 2.0 Headers (Support 4 USB 2.0 ports)</li><li>- 2 x USB 3.2 Gen1 Headers (Support 4 USB 3.2 Gen1 ports)</li><li>- 1 x Front Panel Type C USB 3.2 Gen2x2 Header (20 Gb/s) (ReDriver)</li></ul><br><p>*Supports in total up to 12V/3A, 36W LED Strip</p> <p>**Support in total up to 5V/3A, 15W LED Strip</p> <p>***CPU_FAN1 supports the fan power up to 1A (12W).</p> <p>****CPU_FAN2/WP supports the fan power up to 2A (24W).</p> <p>*****CHA_FAN1~4/WP support the fan power up to 2A (24W).<br/>CPU_FAN2/WP and CHA_FAN1~4/WP can auto detect if 3-pin or 4-pin fan is in use.</p> |
| Rear Panel I/O | <ul style="list-style-type: none"><li>- 2 x Antenna Mounting Points</li><li>- 1 x HDMI Port</li><li>- 1 x DisplayPort 1.4</li><li>- 1 x Optical SPDIF Out Port</li><li>- 1 x USB 3.2 Gen2 Type-A Port (10 Gb/s) (ReDriver)</li><li>- 1 x USB 3.2 Gen2 Type-C Port (10 Gb/s) (ReDriver)</li><li>- 4 x USB 3.2 Gen1 Ports (USB32_12 are Lightning Gaming Ports. USB32_34 support Ultra USB Power.)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|                   | <ul style="list-style-type: none"><li>- 8 x USB 2.0 Ports</li><li>- 1 x RJ-45 LAN Port</li><li>- 1 x BIOS Flashback Button</li><li>- 1 x Line Out Jack (Gold Audio Jack)</li><li>- 1 x Microphone Input Jack (Gold Audio Jack)</li></ul>                                                                                                                                                                                                    |
| Software and UEFI | <p><b>Software</b></p> <ul style="list-style-type: none"><li>- ASRock Motherboard Utility (A-Tuning)</li><li>- ASRock Dragon 2.5G LAN Software</li><li>- ASRock Polychrome SYNC*</li></ul> <p><b>UEFI</b></p> <ul style="list-style-type: none"><li>- ASRock Full HD UEFI</li><li>- ASRock Auto Driver Installer</li><li>- ASRock Instant Flash</li></ul> <p>*These utilities can be downloaded from ASRock Live Update &amp; APP Shop.</p> |
| Accessories       | <ul style="list-style-type: none"><li>- 1 x User Manual</li><li>- 2 x SATA Data Cables</li><li>- 4 x Screws for M.2 Sockets</li><li>- 1 x Standoff for M.2 Socket</li></ul>                                                                                                                                                                                                                                                                 |
| Form Factor       | <ul style="list-style-type: none"><li>- ATX Form Factor: 12.0-in x 9.6-in, 30.5 cm x 24.4 cm</li><li>- 8 Layer PCB</li></ul>                                                                                                                                                                                                                                                                                                                |
| OS                | <ul style="list-style-type: none"><li>- Microsoft Windows 10 64-bit / 11 64-bit</li></ul>                                                                                                                                                                                                                                                                                                                                                   |
| Certifications    | <ul style="list-style-type: none"><li>- FCC, CE</li><li>- ErP/EuP ready (ErP/EuP ready power supply is required)</li></ul>                                                                                                                                                                                                                                                                                                                  |