

	<p><b>Superb Productivity</b></p> <ul style="list-style-type: none"> <li>- PCIe Gen5 (Graphic)</li> <li>- Dual Channel DDR5</li> </ul> <p><b>Rock-Solid Durability</b></p> <ul style="list-style-type: none"> <li>- 7+1+1 Power Phase, 50A Dr.MOS for VCore+GT</li> <li>- Nichicon 12K Black Caps (100% Japan made high quality conductive polymer capacitors)</li> </ul> <p><b>Ultrafast Connectivity</b></p> <ul style="list-style-type: none"> <li>- 2.5G LAN, 802.11ax Wi-Fi 6E Module</li> </ul> <p><b>EZ Update</b></p> <ul style="list-style-type: none"> <li>- ASRock Auto Driver Installer</li> </ul>
CPU	<ul style="list-style-type: none"> <li>- Supports 14<sup>th</sup>, 13<sup>th</sup> &amp; 12<sup>th</sup> Gen Intel® Core™ Processors (LGA1700)</li> <li>- Supports Intel® Hybrid Technology</li> <li>- Supports Intel® Turbo Boost Max 3.0 Technology</li> <li>- Supports Intel® Thermal Velocity Boost (TVB)</li> <li>- Supports Intel® Adaptive Boost Technology (ABT)</li> </ul>
Chipset	<ul style="list-style-type: none"> <li>- Intel® Z790</li> </ul>
Memory	<ul style="list-style-type: none"> <li>- Dual Channel DDR5 Memory Technology</li> <li>- 2 x DDR5 DIMM Slots</li> <li>- Supports DDR5 non-ECC, un-buffered memory up to 7000+(OC)*</li> <li>- Max. capacity of system memory: 128GB</li> <li>- Supports Intel® Extreme Memory Profile (XMP) 3.0</li> </ul> <p>*1DPC 1R Up to 7000+ MHz (OC), 5600 MHz Natively. 1DPC 2R Up to 5200+ MHz (OC), 5200 MHz Natively.</p>
BIOS	<ul style="list-style-type: none"> <li>- 128Mb AMI UEFI Legal BIOS with GUI support</li> </ul>

Graphics	<ul style="list-style-type: none"> <li>- Intel® Xe Graphics Architecture (Gen 12)</li> <li>- 1 x eDP 1.4, supports max. resolution up to Full HD 60Hz</li> <li>- 1 x HDMI 2.1 TMDS Compatible, supports HDCP 2.3 and max. resolution up to 4K 60Hz</li> <li>- 1 x DisplayPort 1.4 with DSC (compressed), supports HDCP 2.3 and max. resolution up to 8K 60Hz / 5K 120Hz</li> </ul> <p>*Intel® UHD Graphics Built-in Visuals and the VGA outputs can be supported only with processors which are GPU integrated.</p>
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>- 1 x 2.5 Gigabit LAN 10/100/1000/2500 Mb/s (Intel® I226V)</li> <li>- 1 x Gigabit LAN 10/100/1000 Mb/s (Intel® I219V)</li> </ul>
Wireless LAN	<ul style="list-style-type: none"> <li>- 802.11ax Wi-Fi 6E Module</li> <li>- Supports IEEE 802.11a/b/g/n/ac/ax</li> <li>- Supports Dual-Band 2x2 with extended 6GHz band support*</li> <li>- 2 antennas to support 2 (Transmit) x 2 (Receive) diversity technology</li> <li>- Supports Bluetooth 5.3 + High speed class II</li> <li>- Supports MU-MIMO</li> </ul> <p>*Wi-Fi 6E (6GHz band) will be supported by Microsoft Windows® 11. The availability will depend on the different regulation status of each country and region. It will be activated (for supported countries) through Windows® Update and software updates once available. A 6GHz compatible router is required for 6E functionality.</p>
Slots	<p><b>CPU:</b></p> <ul style="list-style-type: none"> <li>- 1 x PCIe 5.0 x16 Slot (PCIe1), supports x16 mode*</li> </ul> <p><b>Chipset:</b></p> <ul style="list-style-type: none"> <li>- 1 x Vertical M.2 Socket (Key E), supports type 2230</li> </ul> <p>WiFi/BT PCIe WiFi module and Intel® CNVio/CNVio2</p>

	<p>(Integrated WiFi/BT)</p> <p>*Supports PCIe riser cards to extend one x16 slot to two x8 slots Supports NVMe SSD as boot disks</p>
Storage	<p><b>CPU:</b></p> <ul style="list-style-type: none"> <li>- 1 x Hyper M.2 Socket (M2_1, Key M), supports type 2280 PCIe Gen4x4 (64 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 2280 SATA3 6.0 Gb/s &amp; PCIe Gen4x4 (64 Gb/s) modes*</li> <li>- 4 x SATA3 6.0 Gb/s Connectors</li> </ul> <p>*Supports Intel® Volume Management Device (VMD) Supports NVMe SSD as boot disks</p>
RAID	<ul style="list-style-type: none"> <li>- Supports RAID 0, RAID 1, RAID 5 and RAID 10 for SATA storage devices</li> <li>- Supports RAID 0, RAID 1 and RAID 5 for M.2 NVMe storage devices*</li> </ul> <p>* Requires additional M.2 NVMe expansion cards to support RAID 5</p>
USB	<ul style="list-style-type: none"> <li>- 1 x USB 3.2 Gen2x2 Type-C (Rear)</li> <li>- 1 x USB 3.2 Gen2x2 Type-C (Front)</li> <li>- 4 x USB 3.2 Gen2 Type-A (Rear)</li> <li>- 2 x USB 3.2 Gen1 (Front)</li> <li>- 3 x USB 2.0 (1 Rear, 2 Front)</li> </ul> <p>*All USB ports support ESD Protection</p>
Connector	<ul style="list-style-type: none"> <li>- 1 x eDP Signal Connector</li> <li>- 1 x RGB LED Header*</li> <li>- 1 x Addressable LED Header**</li> <li>- 1 x CPU/Water Pump Fan Connector (4-pin) (Smart Fan Speed Control)***</li> <li>- 2 x Chassis Fan Connectors (4-pin)****</li> </ul>

	<ul style="list-style-type: none"> <li>- 1 x 24 pin ATX Power Connector</li> <li>- 1 x 8 pin 12V Power Connector (Hi-Density Power Connector)</li> <li>- 1 x Front Panel Audio Connector</li> <li>- 1 x USB 2.0 Header (Supports 2 USB 2.0 ports)</li> <li>- 1 x USB 3.2 Gen1 Header (Supports 2 USB 3.2 Gen1 ports)</li> <li>- 1 x Front Panel Type C USB 3.2 Gen2x2 Header (20 Gb/s)*****</li> </ul> <p>*Supports in total up to 12V/3A, 36W LED Strip</p> <p>**Supports in total up to 5V/3A, 15W LED Strip</p> <p>***CPU_FAN1/WP supports the fan power up to 2A (24W). CPU_FAN1/WP can auto detect if 3-pin or 4-pin fan is in use.</p> <p>****CHA_FAN1~2 support the fan power up to 1A (12W).</p> <p>*****Actual speed depends on USB devices and extension cable in the chassis.</p>
Rear Panel I/O	<ul style="list-style-type: none"> <li>- 2 x Antenna Ports</li> <li>- 1 x HDMI Port</li> <li>- 1 x DisplayPort 1.4</li> <li>- 1 x Optical SPDIF Out Port</li> <li>- 4 x USB 3.2 Gen2 Type-A Ports (10 Gb/s)</li> <li>- 1 x USB 3.2 Gen2x2 Type-C Port (20 Gb/s)</li> <li>- 1 x USB 2.0 Port</li> <li>- 2 x RJ-45 LAN Ports</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 Polychrome SYNC</li> </ul> <p><b>UEFI</b></p> <ul style="list-style-type: none"> <li>- ASRock EZ Mode</li> <li>- ASRock Full HD UEFI</li> </ul>

	<ul style="list-style-type: none"> <li>- ASRock My Favorites in UEFI</li> <li>- ASRock Auto Driver Installer</li> <li>- ASRock Instant Flash</li> <li>- ASRock Easy RAID Installer</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>- 1 x I/O Shield</li> <li>- 2 x SATA Data Cables</li> <li>- 2 x ASRock WiFi 2.4/5/6 GHz Antennas</li> <li>- 2 x Screws for M.2 Sockets</li> </ul>
Form Factor	<ul style="list-style-type: none"> <li>- Mini-ITX Form Factor: 6.7-in x 6.7-in, 17.0 cm x 17.0 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> <p>*Windows® 10 only supports version 21H2 or later</p>
Certifications	<ul style="list-style-type: none"> <li>- FCC, CE</li> <li>- ErP/EuP ready (ErP/EuP ready power supply is required)</li> </ul>