



269.95 EUR

incl. 19% VAT, plus [shipping](#)

- 2x HDMI, 1x dP !
- Dual Gigabit LAN !
- Gigabyte Features !
- NVMe M.2 slot !

- Supports 8<sup>th</sup> Gen Intel® Core™ Processors
- Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs
- Intel® Optane™ Memory Ready
- Supports PCIe x16 slot bifurcation in 2x8 mode by riser card
- Integrated HDMI 2.0 Support
- Intel USB 3.1 Gen1 with USB Type-C™
- ALC1220 120dB SNR HD Audio with Smart Headphone Amp
- Intel® 802.11ac Dual Band 867Mbps wireless supports MU-MIMO and BT4.2
- Dual Intel® Gigabit LAN with cFosSpeed Internet Accelerator Software
- Ultra Durable™ 25KV ESD and 15KV Surge LAN Protection
- Dual Ultra-Fast M.2 with PCIe Gen3 x4 & SATA interface
- RGB FUSION with Multi-Zone Digital LED Light Show design, support digital LED & RGB LED strips
- Smart Fan 5 features Multiple Temperature Sensors and Hybrid Fan Headers with FAN STOP
- Ultra Durable™ Metal Shielding over PCIe Slot
- Anti-Sulfur Resistors Design
- APP Center Including EasyTune™ and Cloud Station™ Utilities

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| CPU              | <ol style="list-style-type: none"><li>1. Support for 8th Generation Intel® Core™ i7 processors/Intel® Core™ i5 processors/Intel® Core™ i3 processors in the LGA1151 package</li><li>2. L3 cache varies with CPU</li></ol> <p>(Please refer "CPU Support List" for more information.)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Chipset          | <ol style="list-style-type: none"><li>1. Intel® Z370 Express Chipset</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Memory           | <ol style="list-style-type: none"><li>1. 2 x DDR4 DIMM sockets supporting up to 32 GB of system memory</li><li>2. Dual channel memory architecture</li><li>3. Support for DDR4 4400(O.C.)/4000(O.C.) / 3866(O.C.) / 3800(O.C.) / 3733(O.C.) / 3666(O.C.) / 3600(O.C.) / 3466(O.C.) / 3400(O.C.) / 3333(O.C.) / 3300(O.C.) / 3200(O.C.) / 3000(O.C.) / 2800(O.C.) / 2666 / 2400 / 2133 MHz memory modules</li><li>4. Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)</li><li>5. Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules</li><li>6. Support for Extreme Memory Profile (XMP) memory modules</li></ol> <p>(Please refer "Memory Support List" for more information.)</p>                                                            |
| Onboard Graphics | <p>Integrated Graphics Processor+MegaChips MCDP2800 chip:</p> <ol style="list-style-type: none"><li>1. 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz<br/>* Support for HDMI 2.0 version, HDCP 2.2, and HDR.<br/>(Requires the latest Intel® graphics driver from the GIGABYTE website.)</li></ol> <p>Integrated Graphics Processor-Intel® HD Graphics support:</p> <ol style="list-style-type: none"><li>1. 1 x HDMI port, supporting a maximum resolution of 4096x2160@30 Hz<br/>* Support for HDMI 1.4 version and HDCP 2.2.</li><li>2. 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz<br/>* Support for DisplayPort 1.2 version, HDCP 2.2, and HDR.</li></ol> <p>Support for up to 3 displays at the same time<br/>Maximum shared memory of 1 GB</p> |
| Audio            | <ol style="list-style-type: none"><li>1. Realtek® ALC1220 codec</li><li>2. High Definition Audio</li><li>3. 2/4/5.1/7.1-channel<br/>* To configure 7.1-channel audio, you have to use an HD front panel audio module and enable the multi-channel audio feature through the audio driver.</li><li>4. Support for S/PDIF Out</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| LAN              | <ol style="list-style-type: none"><li>1. 2 x Intel® GbE LAN chips (10/100/1000 Mbit)</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| Wireless<br>Communication module | 1. Intel® Wi-Fi 802.11 a/b/g/n/ac, supporting 2.4/5 GHz Dual-Band                                                                         |
|                                  | 2. BLUETOOTH 4.2, 4.1, BLE, 4.0, 3.0, 2.1+EDR                                                                                             |
|                                  | 3. Support for 11ac wireless standard and up to 867 Mbps data rate<br>* Actual data rate may vary depending on environment and equipment. |
| Expansion Slots                  | 1. 1 x PCI Express x16 slot, running at x16<br>(The PCIEX16 slot conforms to PCI Express 3.0 standard.)                                   |
| Storage Interface                | Chipset:                                                                                                                                  |
|                                  | 1. 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280 SATA and PCIe x4/x2 SSD support) (M2A_32G)                                     |
|                                  | 2. 1 x M.2 connector on the back of the motherboard (Socket 3, M key, type 2260/2280 PCIe x4/x2 SSD support) (M.2)                        |
|                                  | 3. 4 x SATA 6Gb/s connectors                                                                                                              |
| USB                              | 4. Support for RAID 0, RAID 1, RAID 5, and RAID 10                                                                                        |
|                                  | Intel® Optane™ Memory Ready                                                                                                               |
|                                  | Chipset:                                                                                                                                  |
|                                  | 1. 2 x USB 2.0/1.1 ports available through the internal USB header                                                                        |
|                                  | 2. 8 x USB 3.1 Gen 1 ports (6 ports on the back panel, 2 ports available through the internal USB header)                                 |
|                                  | 3. 1 x USB Type-C™ port on the back panel, with USB 3.1 Gen 1 support                                                                     |

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|                         | <ul style="list-style-type: none"><li>• 1 x 24-pin ATX main power connector</li><li>• 1 x 8-pin ATX 12V power connector</li><li>• 1 x CPU fan header</li><li>• 2 x system fan headers</li><li>• 1 x digital LED strip header</li><li>• 1 x digital LED strip power select jumper</li><li>• 1 x RGB (RGBW) LED strip header</li><li>• 4 x SATA 6Gb/s connectors</li></ul>                                                                                                                         |
| Internal I/O Connectors | <ul style="list-style-type: none"><li>• 2 x M.2 Socket 3 connectors(one on the back of the motherboard)</li><li>• 1 x front panel header</li><li>• 1 x front panel audio header</li><li>• 1 x USB 3.1 Gen 1 header</li><li>• 1 x USB 2.0/1.1 header</li><li>• 1 x S/PDIF Out header</li><li>• 1 x speaker header</li><li>• 1 x Clear CMOS jumper</li><li>• 1 x chassis intrusion header</li><li>• 2 x HDMI ports</li><li>• 1 x DisplayPort</li><li>• 2 x SMA antenna connectors (2T2R)</li></ul> |
| Back Panel Connectors   | <ul style="list-style-type: none"><li>• 6 x USB 3.1 Gen 1 ports</li><li>• 1 x USB Type-C™ port, with USB 3.1 Gen 1 support</li><li>• 2 x RJ-45 ports</li><li>• 3 x audio jacks (Line In, Line Out, Mic In)</li></ul>                                                                                                                                                                                                                                                                             |
| I/O Controller          | <ol style="list-style-type: none"><li>1. iTE® I/O Controller Chip</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| H/W Monitoring  | <ol style="list-style-type: none"><li>1. Voltage detection</li><li>2. Temperature detection</li><li>3. Fan speed detection</li><li>4. Overheating warning</li><li>5. Fan fail warning</li><li>6. Fan speed control</li></ol> <p>* Whether the fan speed control function is supported will depend on the cooler you install.</p>                                                                                                                                  |
| BIOS            | <ol style="list-style-type: none"><li>1. 2 x 128 Mbit flash</li><li>2. Use of licensed AMI UEFI BIOS</li><li>3. Support for DualBIOS™</li><li>4. PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0</li></ol> <ul style="list-style-type: none"><li>• Support for APP Center</li></ul> <p>* Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.</p> |
| Unique Features | <p>3D OSD<br/>@BIOS<br/>AutoGreen<br/>BIOS Setup<br/>Color Temperature<br/>Cloud Station<br/>EasyTune<br/>Easy RAID<br/>Fast Boot<br/>Game Boost<br/>ON/OFF Charge<br/>Platform Power Management<br/>RGB Fusion<br/>Smart Backup<br/>Smart Keyboard<br/>Smart TimeLock<br/>Smart HUD<br/>System Information Viewer<br/>USB Blocker<br/>V-Tuner</p> <ul style="list-style-type: none"><li>• Support for Q-Flash</li><li>• Support for Xpress Install</li></ul>     |
| Bundle Software | <ol style="list-style-type: none"><li>1. Norton® Internet Security (OEM version)</li><li>2. cFosSpeed</li></ol>                                                                                                                                                                                                                                                                                                                                                   |

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| Operating System | 1. Support for Windows 10 64-bit                                                                                                                                                                                                                                                                                                                                   |
| Form Factor      | 1. Mini-ITX Form Factor; 17.0cm x 17.0cm                                                                                                                                                                                                                                                                                                                           |
| Remark           | <div>1. Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website.</div> <div>2. Most hardware/software vendors may no longer offer drivers to support Win9X/ME/2000/XP. If drivers are available from the vendors, we will update them on the GIGABYTE website.</div> |