

139.95 EUR

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

- Intel WiFi, Intel WiDi !
- Dual Gigabit LAN !
- Gigabyte Features !
- Intel Skylake !



- Supports 6<sup>th</sup> Generation Intel® Core™ Processor
- Dual Channel DDR4, 2 DIMMs
- Intel® USB 3.0 with USB Type-C™ - The World's Next Universal Connector
- 11ac 867 Mbps dual band wireless connection + BLUETOOTH 4.2
- PCIe Gen3 x4 M.2 Connector with up to 32Gb/s Data Transfer (PCIe NVMe & SATA SSD support)
- 2 SATA Express Connectors for up to 16Gb/s Data Transfer
- 115dB SNR HD Audio with Built-in Rear Audio Amplifier
- High Quality Audio Capacitors and Audio Noise Guard with LED Trace Path Lighting
- Dual Intel® GbE LAN with cFosSpeed Internet Accelerator Software
- APP Center Including EasyTune™ and Cloud Station™ Utilities
- GIGABYTE UEFI DualBIOS™ Technology
- Support Intel® Small Business Basics

1. Support for Intel® Core™ i7 processors/Intel® Core™ i5 processors/ Intel® Core™ i3 processors/Intel® Pentium® processors/ Intel® Celeron® processors in the LGA1151 package

CPU

2. L3 cache varies with CPU

(Please refer "CPU Support List" for more information.)

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Chipset                       | 1. Intel® H170 Express Chipset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Memory                        | <p>1. 2 x DDR4 DIMM sockets supporting up to 32 GB of system memory<br/>* Due to a Windows 32-bit operating system limitation, when more than 4 GB of physical memory is installed, the actual memory size displayed will be less than the size of the physical memory installed.</p> <p>2. Dual channel memory architecture</p> <p>3. Support for DDR4 2133 MHz memory modules</p> <p>4. Support for ECC UDIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)</p> <p>5. Support for non-ECC UDIMM 1Rx8/2Rx8/1Rx16 memory modules</p> <p>(Please refer "Memory Support List" for more information.)</p> <p>Integrated Graphics Processor-Intel® HD Graphics support</p> |
| Onboard Graphics              | <p>1. 1 x DVI-D port, supporting a maximum resolution of 1920x1200@60 Hz<br/>* The DVI-D port does not support D-Sub connection by adapter.</p> <p>2. 2 x HDMI ports, supporting a maximum resolution of 4096x2160@24 Hz<br/>* Support for HDMI 1.4 version.</p> <p>3. Support for up to 3 displays at the same time</p> <p>4. Maximum shared memory of 512 MB</p>                                                                                                                                                                                                                                                                                                          |
| Audio                         | <p>1. Realtek® ALC1150 codec</p> <p>2. High Definition Audio</p> <p>3. 2/4/5.1/7.1-channel</p> <p>4. Support for S/PDIF Out</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| LAN                           | 1. 2 x Intel® GbE LAN chips (10/100/1000 Mbit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Wireless Communication module | <p>1. Wi-Fi 802.11 a/b/g/n/ac, supporting 2.4/5 GHz Dual-Band</p> <p>2. BLUETOOTH 4.2, 4.1, BLE, 4.0, 3.0, 2.1+EDR</p> <p>3. Support for 11ac wireless standard and up to 867 Mbps data rate<br/>* Actual data rate may vary depending on environment and equipment.</p>                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expansion Slots               | <p>1. 1 x PCI Express x16 slot, running at x16<br/>(The PCIEX16 slot conforms to PCI Express 3.0 standard.)</p> <p>2. 1 x M.2 Socket 1 connector for the wireless communication module (M2_WIFI)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

Chipset:

1. 1 x M.2 Socket 3 connector on the back of the motherboard (Socket 3, M key, type 2260/2280 SATA & PCIe x4/x2/x1 SSD support)
2. 2 x SATA Express connectors
3. 6 x SATA 6Gb/s connectors
4. Support for RAID 0, RAID 1, RAID 5, and RAID 10  
\* Refer to "1-7 Internal Connectors," for the supported configurations with the M.2, SATA Express, and SATA connectors.

Storage Interface

Chipset:

1. 2 x USB 2.0/1.1 ports available through the internal USB header
2. 6 x USB 3.0/2.0 ports (4 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 3.0 support

USB

1. 1 x 24-pin ATX main power connector
2. 1 x 4-pin ATX 12V power connector
3. 6 x SATA 6Gb/s connectors
4. 2 x SATA Express connectors
5. 1 x M.2 Socket 3 connector
6. 1 x CPU fan header
7. 1 x system fan header

Internal I/O Connectors

8. 1 x front panel header
9. 1 x front panel audio header
10. 1 x USB 3.0/2.0 header
11. 1 x USB 2.0/1.1 header
12. 1 x S/PDIF Out header
13. 1 x speaker header
14. 1 x Clear CMOS jumper
15. 1 x chassis intrusion header

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|                       |                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
|                       | 1. 1 x PS/2 keyboard/mouse port                                                                |
|                       | 2. 2 x HDMI ports                                                                              |
|                       | 3. 2 x SMA antenna connectors (2T2R)                                                           |
|                       | 4. 1 x DVI-D port                                                                              |
| Back Panel Connectors | 5. 4 x USB 3.0/2.0 ports                                                                       |
|                       | 6. 1 x USB Type-C™ port, with USB 3.0 support                                                  |
|                       | 7. 2 x RJ-45 ports                                                                             |
|                       | 8. 1 x optical S/PDIF Out connector                                                            |
|                       | 9. 5 x audio jacks (Center/Subwoofer Speaker Out, Rear Speaker Out, Line In, Line Out, Mic In) |
| I/O Controller        | 1. iTE® I/O Controller Chip                                                                    |
|                       | 1. System voltage detection                                                                    |
|                       | 2. CPU/System temperature detection                                                            |
|                       | 3. CPU/System fan speed detection                                                              |
| H/W Monitoring        | 4. CPU/System overheating warning                                                              |
|                       | 5. CPU/System fan fail warning                                                                 |
|                       | 6. CPU/System fan speed control                                                                |
|                       | * Whether the fan speed control function is supported will depend on the cooler you install.   |
|                       | 1. 2 x 64 Mbit flash                                                                           |
|                       | 2. Use of licensed AMI UEFI BIOS                                                               |
| BIOS                  | 3. Support for DualBIOS™                                                                       |
|                       | 4. PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0                                           |

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| Unique Features  | <ol style="list-style-type: none"><li>1. Support for APP Center<ul style="list-style-type: none"><li>* Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.</li></ul></li><li>3D OSD</li><li>@BIOS</li><li>AutoGreen</li><li>Cloud Station</li><li>EasyTune</li><li>Easy RAID</li><li>Fast Boot</li><li>Smart TimeLock</li><li>Smart Keyboard</li><li>Smart Backup</li><li>System Information Viewer</li><li>USB Blocker</li></ol> <ol style="list-style-type: none"><li>2. Support for Q-Flash</li><li>3. Support for Smart Switch</li><li>4. Support for Xpress Install</li></ol> |
| Bundle Software  | <ol style="list-style-type: none"><li>1. Norton Internet Security (OEM version)</li><li>2. Intel® Smart Response Technology</li><li>3. Intel® Wireless Display</li><li>4. cFosSpeed</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operating System | <ol style="list-style-type: none"><li>1. Support for Windows 10/8.1 64-bit</li><li>2. Support for Windows 7 32-bit/64-bit<ul style="list-style-type: none"><li>* Please download the "Windows USB Installation Tool" from GIGABYTE's website and install it before installing Windows 7.</li></ul></li></ol>                                                                                                                                                                                                                                                                                                                                                                                      |
| Form Factor      | <ol style="list-style-type: none"><li>1. Mini-ITX Form Factor; 17.0cm x 17.0cm</li></ol><br><ol style="list-style-type: none"><li>1. GA-H170N-WIFI motherboard</li><li>2. Motherboard driver disk</li><li>3. Two SATA cables</li><li>4. User's Manual</li></ol><br><ol style="list-style-type: none"><li>5. Quick Installation Guide</li><li>6. One antenna</li><li>7. I/O Shield</li><li>8. Wireless module driver disk</li></ol>                                                                                                                                                                                                                                                                |

Remark

1. Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website.
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.