

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.)

Chipset	<ol style="list-style-type: none"><li>1. Intel® H170 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 * 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.</li><li>2. Dual channel memory architecture</li><li>3. Support for DDR4 2133 MHz memory modules</li><li>4. Support for ECC UDIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)</li><li>5. Support for non-ECC UDIMM 1Rx8/2Rx8/1Rx16 memory modules</li></ol> <p>(Please refer "Memory Support List" for more information.)</p> <p>Integrated Graphics Processor-Intel® HD Graphics support</p> <ol style="list-style-type: none"><li>1. 1 x DVI-D port, supporting a maximum resolution of 1920x1200@60 Hz * The DVI-D port does not support D-Sub connection by adapter.</li></ol>
Onboard Graphics	<ol style="list-style-type: none"><li>2. 2 x HDMI ports, supporting a maximum resolution of 4096x2160@24 Hz * Support for HDMI 1.4 version.</li><li>3. Support for up to 3 displays at the same time</li><li>4. Maximum shared memory of 512 MB</li></ol>
Audio	<ol style="list-style-type: none"><li>1. Realtek® ALC1150 codec</li><li>2. High Definition Audio</li><li>3. 2/4/5.1/7.1-channel</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>
Wireless Communication module	<ol style="list-style-type: none"><li>1. Wi-Fi 802.11 a/b/g/n/ac, supporting 2.4/5 GHz Dual-Band</li><li>2. BLUETOOTH 4.2, 4.1, BLE, 4.0, 3.0, 2.1+EDR</li><li>3. Support for 11ac wireless standard and up to 867 Mbps data rate * Actual data rate may vary depending on environment and equipment.</li></ol>
Expansion Slots	<ol style="list-style-type: none"><li>1. 1 x PCI Express x16 slot, running at x16 (The PCIEX16 slot conforms to PCI Express 3.0 standard.)</li><li>2. 1 x M.2 Socket 1 connector for the wireless communication module (M2_WIFI)</li></ol>

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

- 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
- H/W Monitoring
- 1. System voltage detection
  - 2. CPU/System temperature detection
  - 3. CPU/System fan speed detection
  - 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.
- BIOS
- 1. 2 x 64 Mbit flash
  - 2. Use of licensed AMI UEFI BIOS
  - 3. Support for DualBIOS™
  - 4. PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0

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