

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                       | 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

|                       |                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <ol style="list-style-type: none"><li>1. 1 x PS/2 keyboard/mouse port</li><li>2. 2 x HDMI ports</li><li>3. 2 x SMA antenna connectors (2T2R)</li><li>4. 1 x DVI-D port</li></ol>                                                                                                                                                                                                               |
| Back Panel Connectors | <ol style="list-style-type: none"><li>5. 4 x USB 3.0/2.0 ports</li><li>6. 1 x USB Type-C™ port, with USB 3.0 support</li><li>7. 2 x RJ-45 ports</li><li>8. 1 x optical S/PDIF Out connector</li><li>9. 5 x audio jacks (Center/Subwoofer Speaker Out, Rear Speaker Out, Line In, Line Out, Mic In)</li></ol>                                                                                   |
| I/O Controller        | <ol style="list-style-type: none"><li>1. iTE® I/O Controller Chip</li></ol>                                                                                                                                                                                                                                                                                                                    |
| H/W Monitoring        | <ol style="list-style-type: none"><li>1. System voltage detection</li><li>2. CPU/System temperature detection</li><li>3. CPU/System fan speed detection</li><li>4. CPU/System overheating warning</li><li>5. CPU/System fan fail warning</li><li>6. CPU/System 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 64 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>                                                                                                                                                                                    |

#### Unique Features

1. 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
2. Support for Q-Flash
  3. Support for Smart Switch
  4. Support for Xpress Install

#### Bundle Software

1. Norton Internet Security (OEM version)
2. Intel® Smart Response Technology
3. Intel® Wireless Display
4. cFosSpeed

#### Operating System

1. Support for Windows 10/8.1 64-bit
2. 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.

#### Form Factor

1. Mini-ITX Form Factor; 17.0cm x 17.0cm

#### Box Contents

1. GA-H170N-WIFI motherboard
2. Motherboard driver disk
3. Two SATA cables
4. User's Manual
5. Quick Installation Guide
6. One antenna
7. I/O Shield
8. Wireless module driver disk

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.