





- Supports 6th 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 $^{\ensuremath{\mathbb{R}}}$ GbE LAN with cFosSpeed Internet Accelerator Software
- APP Center Including EasyTune[™] and Cloud Station[™] Utilities
- GIGABYTE UEFI DualBIOS™ Technology
- Support Intel[®] Small Business Basics
 - 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.)

139.95 EUR incl. 19% VAT, plus shipping

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



| Chipset | 1. Intel [®] H170 Express Chipset |
|----------------------|--|
| Memory | 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. |
| | 2. Dual channel memory architecture |
| | 3. Support for DDR4 2133 MHz memory modules |
| | 4. Support for ECC UDIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode) |
| | 5. Support for non-ECC UDIMM 1Rx8/2Rx8/1Rx16 memory modules |
| | (Please refer "Memory Support List" for more information.) |
| | Integrated Graphics Processor-Intel [®] HD Graphics support |
| | 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. |
| Onboard Graphics | 2 x HDMI ports, supporting a maximum resolution of 4096x2160@24 Hz * Support for HDMI 1.4 version. |
| | 3. Support for up to 3 displays at the same time |
| | 4. Maximum shared memory of 512 MB |
| | 1. Realtek [®] ALC1150 codec |
| Audio | 2. High Definition Audio |
| Αυαίο | 3. 2/4/5.1/7.1-channel |
| | 4. Support for S/PDIF Out |
| LAN | 1. 2 x Intel [®] GbE LAN chips (10/100/1000 Mbit) |
| | 1. Wi-Fi 802.11 a/b/g/n/ac, supporting 2.4/5 GHz Dual-Band |
| Wireless | 2. BLUETOOTH 4.2, 4.1, BLE, 4.0, 3.0, 2.1+EDR |
| Communication module | Support for 11ac wireless standard and up to 867 Mbps data rate * Actual data rate may vary depending on environment and equipment. |
| Expansion Slots | 1 x PCI Express x16 slot, running at x16 (The PCIEX16 slot conforms to PCI Express 3.0 standard.) |
| | 2. 1 x M.2 Socket 1 connector for the wireless communication module (M2_WIFI) |



Chipset:

- 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)
- Storage Interface
- 2. 2 x SATA Express connectors
 - 3. 6 x SATA 6Gb/s connectors
 - 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.

Chipset:

USB

- 1. 2 x USB 2.0/1.1 ports available through the internal USB header
- 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
- 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 |
|-----------------------|---|
| Back Panel Connectors | 2. 2 x HDMI ports |
| | 3. 2 x SMA antenna connectors (2T2R) |
| | 4. 1 x DVI-D port |
| | 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 | 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 |
|------------------|---|
| | Support for Smart Switch Support for Xpress Install |
| Bundle Software | Norton Internet Security (OEM version) Intel[®] Smart Response Technology Intel[®] Wireless Display cFosSpeed |
| Operating System | Support for Windows 10/8.1 64-bit 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 | GA-H170N-WIFI motherboard Motherboard driver disk Two SATA cables User's Manual Quick Installation Guide One antenna I/O Shield 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.