

159.95 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

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® Z170 Express Chipset

#### Memory

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.
  2. Dual channel memory architecture
  3. Support for DDR4 3200(O.C.) /3000(O.C.) /2800(O.C.) /2666(O.C.) /2400(O.C.) /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
  6. Support for Extreme Memory Profile (XMP) memory modules
- (Please refer "Memory Support List" for more information.)

#### Integrated Graphics Processor-Intel® HD Graphics support

#### Onboard Graphics

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.
2. 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

#### Audio

1. Realtek® ALC1150 codec
2. High Definition Audio
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)

#### Wireless Communication module

1. 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  
\* Actual data rate may vary depending on environment and equipment.

#### Expansion Slots

1. 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. 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>                                                                                                                                                                                    |

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| Unique Features  | 1. Support for APP Center<br>* Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.<br>3D OSD<br>@BIOS<br>AutoGreen<br>Cloud Station<br>EasyTune<br>Easy RAID<br>Fast Boot<br>Smart TimeLock<br>Smart Keyboard<br>Smart Backup<br>System Information Viewer<br>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<br>* 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-Z170N-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.