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159.95 EUR

incl. 19% VAT, plus shipping

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



- 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[®] GbE LAN with cFosSpeed Internet Accelerator Software
- APP Center Including EasyTune™ and Cloud Station™ Utilities
- GIGABYTE UEFI DualBIOS™ Technology

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



Gigabyte GA-Z170N-WIFI (for i3, i5, i7 [Sockel LGA1151], Skylake, 2x LAN, 2x HDMI, WLAN/BT, Intel Wireless Display) *new*

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- 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

Memory

- 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

- 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.

Onboard Graphics

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

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)
- 1. Wi-Fi 802.11 a/b/g/n/ac, supporting 2.4/5 GHz Dual-Band

Wireless

Communication module

- 2. BLUETOOTH 4.2, 4.1, BLE, 4.0, 3.0, 2.1+EDR
- * Actual data rate may vary depending on environment and equipment.

3. Support for 11ac wireless standard and up to 867 Mbps data rate

1. 1 x PCI Express x16 slot, running at x16 (The PCIEX16 slot conforms to PCI Express 3.0 standard.)

Expansion Slots

2. 1 x M.2 Socket 1 connector for the wireless communication module (M2_WIFI)



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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
- 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.

Chipset:

1. 2 x USB 2.0/1.1 ports available through the internal USB header

USB

- 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
- 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
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
	System voltage detection
	2. CPU/System temperature detection
	3. CPU/System fan speed detection
H/W Monitoring	CPU/System overheating warning
	5. CPU/System fan fail warning
	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	o o / D IDIOOTH

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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	1.	Support for	or APP	Center
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* 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

Unique Features

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
- 1. Norton Internet Security (OEM version)
- 2. Intel® Smart Response Technology
- **Bundle Software**
- 3. Intel[®] Wireless Display
- 4. cFosSpeed
- 1. Support for Windows 10/8.1 64-bit
- Operating System
- 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
- 1. GA-Z170N-WIFI motherboard
- 2. Motherboard driver disk
- 3. Two SATA cables
- 4. User's Manual

Box Contents

- 5. Quick Installation Guide
- 6. One antenna
- 7. I/O Shield
- 8. Wireless module driver disk



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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.