



139.95 EUR

incl. 19% VAT, plus shipping

- Intel WiFi, Intel WiDi !
- Dual Gigabit LAN !
- Gigabyte Features !
- NVMe M.2 slot !



- Supports 7th/ 6th Generation Intel® Core™ Processors
- Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs
- Intel® USB 3.1 Gen 1 with USB Type-C™
- Intel® Optane™ Memory Ready
- Ultra-Fast M.2 with PCIe Gen3 x4 & SATA interface
- ALC1220 120dB SNR HD Audio with Smart Headphone Amp
- 802.11ac Dual Band 867Mbps wireless supports MU-MIMO and BT4.2
- Dual Intel® GbE LAN with cFosSpeed Internet Accelerator Software
- Smart Fan 5 features Multiple Temperature Sensors and Hybrid Fan Headers
- Ultra Durable™ Metal Shielding over PCIe Slots
- GIGABYTE UEFI DualBIOS™
- APP Center Including Cloud Station™ Utility

CPU

1. Support for 7th and 6th generation Intel® Core™ i7 processors/ Intel® Core™ i5 processors/ Intel® Core™ i3 processors/Intel® Pentium® processors/Intel® Celeron® processors in the LGA1151 package
2. L3 cache varies with CPU

(Please refer "CPU Support List" for more information.)

Chipset

1. Intel® H270 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 2400* / 2133 MHz memory modules
4. Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)
5. Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules
6. Support for Extreme Memory Profile (XMP) memory modules * To support 2400 MHz or XMP memory, you must install a 7th generation processor.

(Please refer "Memory Support List" for more information.)

Onboard Graphics

Integrated Graphics Processor:

1. 1 x DVI-D port, supporting a maximum resolution of 1920x1200@60Hz
2. 2 x HDMI ports, supporting a maximum resolution of 4096x2160@24Hz or 2560x1600@60Hz
* Support for HDMI 1.4 version.
3. Support for up to 3 displays at the same time
* To set up a triple-display configuration, you must connect a D-Sub monitor using a DVI-to-D-Sub adapter.
4. Maximum shared memory of 1 GB

Audio

1. Realtek® ALC1220 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)

Storage Interface

Chipset:

1. 1 x M.2 connector on the back of the motherboard (Socket 3, M key, type 2260/2280 SATA and PCIe x4/x2 SSD support)
2. 6 x SATA 6Gb/s connectors
3. Support for RAID 0, RAID 1, RAID 5, and RAID 10

USB

Chipset:

1. 2 x USB 2.0/1.1 ports available through the internal USB header
2. 6 x USB 3.1 Gen 1 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 3.1 Gen 1 support

Internal I/O
Connectors

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. 1 x M.2 Socket 3 connector on the back of the motherboard
5. 1 x CPU fan header
6. 1 x system fan header
7. 1 x front panel header
8. 1 x front panel audio header
9. 1 x USB 3.1 Gen 1 header
10. 1 x USB 2.0/1.1 header
11. 1 x S/PDIF Out header
12. 1 x Clear CMOS jumper
13. 1 x chassis intrusion header

Back Panel Connectors

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
5. 4 x USB 3.1 Gen 1 ports
6. 1 x USB Type-C™ port, with USB 3.1 Gen 1 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 fan speed control
* Whether the fan speed control function is supported will depend on the cooler you install.

BIOS

1. 2 x 128Mbit 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

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 Ambient LED AutoGreen BIOS Setup Color Temperature Cloud Station EasyTune Easy RAID Fast Boot Game Boost ON/OFF Charge Platform Power Management Smart Backup Smart Keyboard Smart TimeLock System Information Viewer USB Blocker V-Tuner
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® Wireless Display
3. Intel® Optane™ Memory Ready
4. cFosSpeed

Operating System

1. Windows® 10 64-bit (for 7th Generation Intel® Processors)
2. Windows® 10 64-bit / Windows® 8.1 64-bit / Windows® 7 32-bit / 64-bits (for 6th Generation Intel® Processors) * 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

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.