



269.95 EUR

incl. 19% VAT, plus shipping

- **2x HDMI, 1x dP !**
- **Dual Gigabit LAN !**
- **Gigabyte Features !**
- **NVMe M.2 slot !**

- Supports 8th Gen Intel[®] Core™ Processors
- Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs
- Intel[®] Optane™ Memory Ready
- Supports PCIe x16 slot bifurcation in 2x8 mode by riser card
- Integrated HDMI 2.0 Support
- Intel USB 3.1 Gen1 with USB Type-C™
- ALC1220 120dB SNR HD Audio with Smart Headphone Amp
- Intel[®] 802.11ac Dual Band 867Mbps wireless supports MU-MIMO and BT4.2
- Dual Intel[®] Gigabit LAN with cFosSpeed Internet Accelerator Software
- Ultra Durable™ 25KV ESD and 15KV Surge LAN Protection
- Dual Ultra-Fast M.2 with PCIe Gen3 x4 & SATA interface
- RGB FUSION with Multi-Zone Digital LED Light Show design, support digital LED & RGB LED strips
- Smart Fan 5 features Multiple Temperature Sensors and Hybrid Fan Headers with FAN STOP
- Ultra Durable™ Metal Shielding over PCIe Slot
- Anti-Sulfur Resistors Design
- APP Center Including EasyTune™ and Cloud Station™ Utilities

CPU

1. Support for 8th Generation Intel® Core™ i7 processors/Intel® Core™ i5 processors/Intel® Core™ i3 processors in the LGA1151 package
2. L3 cache varies with CPU

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

Chipset

1. Intel® Z370 Express Chipset

Memory

1. 2 x DDR4 DIMM sockets supporting up to 32 GB of system memory
2. Dual channel memory architecture
3. Support for DDR4 4400(O.C.)/4000(O.C.) / 3866(O.C.) / 3800(O.C.) / 3733(O.C.) / 3666(O.C.) / 3600(O.C.) / 3466(O.C.) / 3400(O.C.) / 3333(O.C.) / 3300(O.C.) / 3200(O.C.) / 3000(O.C.) / 2800(O.C.) / 2666 / 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

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

Onboard Graphics

Integrated Graphics Processor+MegaChips MCDP2800 chip:

1. 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz
* Support for HDMI 2.0 version, HDCP 2.2, and HDR.
(Requires the latest Intel® graphics driver from the GIGABYTE website.)

Integrated Graphics Processor-Intel® HD Graphics support:

1. 1 x HDMI port, supporting a maximum resolution of 4096x2160@30 Hz
* Support for HDMI 1.4 version and HDCP 2.2.
2. 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz
* Support for DisplayPort 1.2 version, HDCP 2.2, and HDR.

Support for up to 3 displays at the same time
Maximum shared memory of 1 GB

Audio

1. Realtek® ALC1220 codec
2. High Definition Audio
3. 2/4/5.1/7.1-channel
 - * To configure 7.1-channel audio, you have to use an HD front panel audio module and enable the multi-channel audio feature through the audio driver.
4. Support for S/PDIF Out

LAN

1. 2 x Intel® GbE LAN chips (10/100/1000 Mbit)

Wireless Communication module

1. Intel® 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.)

Storage Interface

Chipset:

1. 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280 SATA and PCIe x4/x2 SSD support) (M2A_32G)
2. 1 x M.2 connector on the back of the motherboard (Socket 3, M key, type 2260/2280 PCIe x4/x2 SSD support) (M.2)
3. 4 x SATA 6Gb/s connectors
4. Support for RAID 0, RAID 1, RAID 5, and RAID 10

Intel® Optane™ Memory Ready

USB

Chipset:

1. 2 x USB 2.0/1.1 ports available through the internal USB header
2. 8 x USB 3.1 Gen 1 ports (6 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 x 24-pin ATX main power connector
- 1 x 8-pin ATX 12V power connector
- 1 x CPU fan header
- 2 x system fan headers
- 1 x digital LED strip header
- 1 x digital LED strip power select jumper
- 1 x RGB (RGBW) LED strip header
- 4 x SATA 6Gb/s connectors
- 2 x M.2 Socket 3 connectors(one on the back of the motherboard)
- 1 x front panel header
- 1 x front panel audio header
- 1 x USB 3.1 Gen 1 header
- 1 x USB 2.0/1.1 header
- 1 x S/PDIF Out header
- 1 x speaker header
- 1 x Clear CMOS jumper
- 1 x chassis intrusion header

Back Panel Connectors

- 2 x HDMI ports
- 1 x DisplayPort
- 2 x SMA antenna connectors (2T2R)
- 6 x USB 3.1 Gen 1 ports
- 1 x USB Type-C™ port, with USB 3.1 Gen 1 support
- 2 x RJ-45 ports
- 3 x audio jacks (Line In, Line Out, Mic In)

I/O Controller

1. iTE® I/O Controller Chip

H/W Monitoring

1. Voltage detection
2. Temperature detection
3. Fan speed detection
4. Overheating warning
5. Fan fail warning
6. Fan speed control
 - * Whether the fan speed control function is supported will depend on the cooler you install.

BIOS

1. 2 x 128 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
@BIOS
AutoGreen
BIOS Setup
Color Temperature
Cloud Station
EasyTune
Easy RAID
Fast Boot
Game Boost
ON/OFF Charge
Platform Power Management
RGB Fusion
Smart Backup
Smart Keyboard
Smart TimeLock
Smart HUD
System Information Viewer
USB Blocker
V-Tuner
- Support for Q-Flash
 - Support for Xpress Install

Bundle Software

1. Norton® Internet Security (OEM version)
2. cFosSpeed

Operating System

1. Support for Windows 10 64-bit

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.