999.00 EUR
incl. 19% VAT, plus shipping

- Gigabyte Features !
- 3x M.2 slot !
- USB Type-C !
- PCIe 4.0 !

- Supports 11th and 10th Gen Intel® Core™ Series Processors
- Dual Channel Non-ECC Unbuffered DDR4, 4 DIMMs
- Direct 12+1 Phases Digital VRM Solution with 60A DrMOS
- Shielded Memory Routing for Better Memory Overclocking
- Fully Covered Thermal Design with High Coverage MOSFET Heatsinks
- Fast 2.5GbE LAN with Bandwidth Management
- Triple Ultra-Fast NVMe PCIe 4.0*/3.0 x4 M.2 with Thermal Guards
- Rear USB 3.2 Gen2 Type-C® and Front USB3.2 Gen1 Type-C® for Connecting Devices
- Pre-installed IO Shield for Easy and Quick Installation
- RGB FUSION 2.0 with Multi-Zone Addressable LED Light Show Design, Support Addressable LED & RGB LED Strips
- Smart Fan 6 Features Multiple Temperature Sensors , Hybrid Fan Headers with FAN STOP
- Q-Flash Plus Update BIOS without Installing the CPU, Memory and Graphics Card

CPU	LGA1200 package: 1. 11th Generation Intel® Core™ i9 processors / Intel® Core™ i7 processors / Intel® Core™ i5 processors 2. 10th Generation Intel® Core™ i9 processors / Intel® Core™ i7 processors / Intel® Core™ i5 processors / Intel® Core™ i3 processors/ Intel® Pentium® processors / Intel® Celeron® processors* * Limited to processors with 4 MB Intel® Smart Cache, Intel® Celeron® G5xx5 family. 3. L3 cache varies with CPU (Please refer to "CPU Support List" for more information.)
Chipset	Intel® Z590 Express Chipset
Memory	1. 11th Generation Intel® Core™ i9/i7/i5 processors: Support for DDR4 5333(O.C.) / DDR4 5133(O.C.) / DDR4 5000(O.C.) / 4933(O.C.) / 4800(O.C.) / 4700(O.C.) / 4600(O.C.)/ 4500(O.C.) / 4400(O.C.) / 4300(O.C.) / 4266(O.C.) / 4133(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 / 3000 / 2933 / 2800 / 2666 / 2400 / 2133 MHz 2. 10th Generation Intel® Core™ i9/i7 processors: Support for DDR4 2933/2666/2400/2133 MHz memory modules 3. 10th Generation Intel® Core™ i5/i3 /Pentium®/Celeron® processors: Support for DDR4 2666/2400/2133 MHz memory modules 4. 4 x DDR4 DIMM sockets supporting up to 128 GB (32 GB single DIMM capacity) of system memory 5. Dual channel memory architecture 6. Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode) 7. Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules 8. Support for Extreme Memory Profile (XMP) memory modules (Please refer "Memory Support List" for more information.)
Onboard Graphics	Integrated Graphics Processor-Intel® HD Graphics support: 1. 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz. *Support for DisplayPort 1.2 version and HDCP 2.3 (Supported graphics specifications may vary depending on CPU or graphics card used.)
Audio	1. Realtek® Audio codec 2. High Definition Audio 3. 2/4/5.1/7.1-channel 4. Support for S/PDIF Out
LAN	1. Realtek® 2.5GbE LAN chip (2.5 Gbit/ 1 Gbit/100 Mbit)

Expansion Slots	1. 1 x PCI Express x16 slot, running at x16 (PCIEX16) * For optimum performance, if only one PCI Express graphics card is to be installed, be sure to install it in the PCIEX16 slot. (The PCIEX16 slot conforms to PCI Express 4.0 standard.)* *Supported by 11th Generation processors only. 2. 1 x PCI Express x16 slot, running at x4 (PCIEX4) 3. 2 x PCI Express x1 slots (The PCIEX4 and PCI Express x1 slots conform to PCI Express 3.0 standard)
Storage Interface	CPU: 1. 1 x M.2 connector (Socket 3, M key, type 2260/2280/22110 PCIe 4.0 x4/x2 SSD support) (M2P_CPU)* *Supported by 11th Generation processors only. Chipset: 1. 2 x M.2 connector (Socket 3, M key, type 2260/2280/22110 SATA and PCIe 3.0 x4/x2 SSD support) (M2A_SB) (M2M_SB) 2. 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 installation notices for the M.2 and SATA connectors. Intel® Optane™ Memory Ready
USB	Chipset: 1. 1 x USB Type-C® port on the back panel, with USB 3.2 Gen2 support 2. 1 x USB Type-C® port with USB 3.2 Gen1 support, available through the internal USB header 3. 1 x USB 3.2 Gen2 Type-A port (red) on the back panel 4. 7 x USB 3.2 Gen1 ports (5 ports on the back panel, 2 ports available through the internal USB header) Chipset+ 2 USB 2.0 Hub: 1. 6 x USB 2.0/1.1 ports (2 ports on the back panel, 4 ports available through the internal USB headers)

Internal I/O Connectors	1. 1 x 24-pin ATX main power connector 2. 1 x 4-pin ATX 12V power connector 3. 1 x 8-pin ATX 12V power connector 4. 1 x CPU fan header 5. 4 x system fan headers 6. 2 x addressable LED strip headers 7. 2 x RGB LED strip headers 8. 6 x SATA 6Gb/s connectors 9. 3 x M.2 Socket 3 connectors 10. 1 x front panel header 11. 1 x front panel audio header 12. 1 x S/PDIF Out header 13. 1 x USB Type-C® header, with USB 3.2 Gen1 support 14. 1 x USB 3.2 Gen 1 header 15. 2 x USB 2.0/1.1 headers 16. 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only) 17. 2 x Thunderbolt™ add-in card connectors 18. 1 x serial port header 19. 1 x Clear CMOS jumper 20. 1 x Q-Flash Plus button ■All fan headers are subject to support AIO_Pump, Pump and high performance fan with the capability of delivering up to 2A/12V @ 24W.
Back Panel Connectors	1. 1 x PS/2 keyboard/mouse port 2. 1 x USB Type-C® header, with USB 3.2 Gen2 support 3. 1 x DisplayPort 4. 1 x USB 3.2 Gen 2 Type-A port (red) 5. 5 x USB 3.2 Gen 1 ports 6. 2 x USB 2.0/1.1 ports 7. 1 x RJ-45 port 8. 6 x audio jacks
I/O Controller	1. iTE® I/O Controller Chip
H/W Monitoring	1. Voltage detection 2. Temperature detection 3. Fan speed detection 4. Fan fail warning 5. Fan speed control * Whether the fan speed control function is supported will depend on the fan you install.
BIOS	1. 1 x 256 Mbit flash 2. Use of licensed AMI UEFI BIOS 3. 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. @BIOS EasyTune Fast Boot Game Boost ON/OFF Charge RGB Fusion Smart Backup System Information Viewer 2. Support for Q-Flash Plus 3. Support for Q-Flash 4. Support for Xpress Install
Bundle Software	1. Norton® Internet Security (OEM version) 2. Realtek® 8125 Gaming LAN Bandwidth Control Utility
Operating System	1. Support for Windows 10 64-bit
Form Factor	1. Micro ATX Form Factor; 30.5cm x 24.4cm