

- 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. 4 x DDR4 DIMM sockets supporting up to 64 GB of system memory
 2. Dual channel memory architecture
 3. Support for DDR4 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-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.

Maximum shared memory of 1 GB

- Audio
 1. Realtek® ALC887 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. Realtek® GbE LAN chip (10/100/1000 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.
 2. 2 x PCI Express x16 slots, running at x4 (PCIEX4_1/PCIEX4_2)

3. 3 x PCI Express x1 slots
(All of the PCI Express slots conform to PCI Express 3.0 standard.)
- Storage Interface

Chipset:

1. 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 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
* Refer to "1-7 Internal Connectors," for the installation notices for the M.2 and SATA connectors.

Intel® Optane™ Memory Ready

- Multi-Graphics Technology
 1. Support for AMD Quad-GPU CrossFireX™ and 2-Way AMD CrossFire™ technologies
- USB

Chipset:

1. 6 x USB 3.1 Gen 1 ports (4 ports on the back panel, 2 ports available through the internal USB header)
 2. 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 8-pin ATX 12V power connector
 3. 1 x M.2 Socket 3 connector
 4. 6 x SATA 6Gb/s connectors
 5. 1 x CPU fan header
 6. 3 x system fan headers
 7. 1 x RGB LED strip header
 8. 1 x front panel header
 9. 1 x front panel audio header
 10. 1 x USB 3.1 Gen 1 header
 11. 2 x USB 2.0/1.1 headers
 12. 1 x S/PDIF Out header
 13. 1 x Trusted Platform Module (TPM) header (2x6 pin, for the GC-TPM2.0_S module only)
 14. 1 x serial port header
 15. 1 x Clear CMOS jumper
 - Back Panel Connectors
 1. 1 x PS/2 mouse port
 2. 1 x PS/2 Keyboard port

3. 1 x HDMI port
 4. 4x USB 3.1 Gen 1 ports
 5. 2 x USB 2.0/1.1 ports
 6. 1 x RJ-45 port
 7. 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. 1 x 128 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.
 - 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
 2. Support for Q-Flash

3. 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. ATX Form Factor; 30.5cm x 22.5cm
 - 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.

* The entire materials provided herein are for reference only. GIGABYTE reserves the right to modify or revise the content at anytime without prior notice.

* Advertised performance is based on maximum theoretical interface values from respective Chipset vendors or organization who defined the interface specification. Actual performance may vary by system configuration.

* All trademarks and logos are the properties of their respective holders.

* Due to standard PC architecture, a certain amount of memory is reserved for system usage and therefore the actual memory size is less than the stated amount.