

GA-Z270XP-SLI

- 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

- Chipset

1. Intel® Z270 Express Chipset

- Memory

1. 4 x DDR4 DIMM sockets supporting up to 64 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 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(O.C.) / 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@24 Hz
 - * Support for HDMI 1.4 version.
2. 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. Intel® 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. 1 x PCI Express x16 slot, running at x8 (PCIEX8)
3. 1 x PCI Express x16 slot, running at x4 (PCIEX4)
4. 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. 1 x SATA Express connector
3. 6 x SATA 6Gb/s connectors
4. Support for RAID 0, RAID 1, RAID 5, and RAID 10
* Refer to "1-8 Internal Connectors," for the installation notices for the M.2 and SATA connectors.

- Multi-Graphics Technology

1. Support for NVIDIA® Quad-GPU SLI™ and 2-Way NVIDIA® SLI™ technologies
2. Support for AMD Quad-GPU CrossFireX™ and 3-Way/2-Way AMD CrossFire™ technologies

- USB

Chipset+ASMedia® ASM2142 USB 3.1 Gen 2 Controller:

1. 1 x USB Type-C™ port on the back panel, with USB 3.1 Gen 2 support
2. 1 x USB 3.1 Gen 2 Type-A port (red) on the back panel

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Chipset:

1. 10 x USB 3.1 Gen 1 ports (6 ports on the back panel, 4 ports available through the internal USB headers)
2. 4 x USB 2.0/1.1 ports available through the internal USB header

- 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. 1 x SATA Express connector
5. 6 x SATA 6Gb/s connectors
6. 1 x CPU fan header
7. 1 x water cooling CPU fan header
8. 2 x system fan headers
9. 1 x system fan/water cooling pump header
10. 1 x front panel header
11. 1 x front panel audio header
12. 1 x S/PDIF Out header
13. 2 x USB 3.1 Gen 1 headers
14. 2 x USB 2.0/1.1 headers
15. 1 x Trusted Platform Module (TPM) header
16. 1 x Thunderbolt™ add-in card connector
17. 1 x serial port header
18. 1 x parallel port header
19. 1 x Clear CMOS jumper

- Back Panel Connectors

1. 1 x PS/2 keyboard port
2. 1 x PS/2 mouse port
3. 1 x HDMI port
4. 1 x USB Type-C™ port, with USB 3.1 Gen 2 support
5. 1 x USB 3.1 Gen 2 Type-A port (red)
6. 6 x USB 3.1 Gen 1 ports
7. 1 x RJ-45 port
8. 6 x audio jacks (Center/Subwoofer Speaker Out, Rear Speaker Out, Side Speaker Out, 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 (pump) speed control function is supported will depend on the fan (pump) you install.

- BIOS

1. 2 x 64 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

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 3TB+ Unlock
3. Support for Q-Flash
4. Support for Xpress Install

- Bundle Software

1. Norton® Internet Security (OEM version)
2. Intel® Optane™ Memory Ready
3. 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.

