**CPU**
AM4 Socket:

1. AMD Ryzen™ processor

2. AMD 7$^{th}$ Generation A-series/ Athlon™ processor

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

**Chipset**

1. AMD B350

**Memory**

1. 2 x DDR4 DIMM sockets supporting up to 32 GB of system memory

2. Dual channel memory architecture

3. Support for DDR4 3200(O.C.)/2933(O.C.)/2667*/2400/2133 MHz memory modules
* Support for higher than DDR4 2667 MHz may vary by CPU.

4. Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules

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:

1. 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz
* Support for DisplayPort 1.2 version.

2. 1 x HDMI port, supporting a maximum resolution of 4096x2160@24 Hz
* Support for HDMI 1.4 version.

Maximum shared memory of 2 GB

* Actual support may vary by CPU.

## 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. Realtek® GbE LAN chip (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, 2.1+EDR

3. Support for 11ac wireless standard and up to 433 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

1. 1 x M.2 Socket 3 connector on the back of the motherboard (Socket 3, M key, type 2260/2280 SATA and PCIe x4*/x2 SSD support)
* Actual support may vary by CPU.

2. 4 x SATA 6Gb/s connectors

3. Support for RAID 0, RAID 1, and RAID 10

**USB**

Chipset:

1. 2 x USB 3.1 Gen 2 Type-A ports (red) on the back panel

2. 2 x USB 3.1 Gen 1 ports available through the internal USB header

3. 4 x USB 2.0/1.1 ports (2 ports on the back panel, 2 ports available through the internal USB header)

Integrated in the CPU:

1. 4 x USB 3.1 Gen 1 ports on the back panel

**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 CPU fan header

4. 1 x system fan header

5. 4 x SATA 6Gb/s connectors

6. 1 x M.2 Socket 3 connector on the back of the motherboard

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 CPU cooler LED strip/RGB LED strip extension cable header

12. 1 x RGB (RGBW) LED strip extension cable header

13. 1 x Trusted Platform Module (TPM) header

14. 1 x S/PDIF Out header

15. 1 x speaker header

16. 1 x Clear CMOS jumper

17. 1 x chassis intrusion header

**Back Panel Connectors**

1. 1 x PS/2 keyboard/mouse port

2. 2 x SMA antenna connectors

3. 1 x DisplayPort

4. 1 x HDMI port

5. 2 x USB 2.0/1.1 ports

6. 2 x USB 3.1 Gen 2 Type-A ports (red)

7. 4 x USB 3.1 Gen 1 ports

8. 1 x RJ-45 port

9. 6 x audio jacks (Center/Subwoofer Speaker Out, Rear Speaker Out, Side Speaker Out, Line In, Line Out, Mic In)

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## I/O Controller

1. iTE$^®$ I/O Controller Chip

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## 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.

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## 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

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## 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
3D OSD
RGB Fusion
AutoGreen
BIOS Setup
Cloud Station
Color Temperature
EasyTune
Fast Boot
Game Boost
ON/OFF Charge
Smart Backup
Smart Keyboard
Smart TimeLock
System Information Viewer
USB Blocker
V-Tuner

2. Support for Q-Flash

3. Support for Xpress Install

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**Bundle Software**

1. Norton$^®$ Internet Security (OEM version)

2. cFosSpeed

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**Operating System**

1. Support for Windows 10 64-bit

2. Support for Windows 7 64-bit
* Please download the "Windows USB Installation Tool" from GIGABYTE's website and install it before installing Windows 7.

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**Form Factor**

1. Mini-ITX Form Factor; 17.0cm x 17.0cm

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**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.

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