

# H97I-PLUS

## CPU

Intel® Socket 1150 for the 5<sup>th</sup>/New 4<sup>th</sup>/4<sup>th</sup> Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors

Supports Intel® 22 nm CPU

Supports Intel® Turbo Boost Technology 2.0

\* The Intel® Turbo Boost Technology 2.0 support depends on the CPU types.

\* Refer to [www.asus.com](http://www.asus.com) for CPU support list

## Chipset

Intel® H97

## Memory

2 x DIMM, Max. 16GB, DDR3 1600(O.C.)/1333 MHz Non-ECC, Un-buffered Memory \*  
Dual Channel Memory Architecture

Supports Intel® Extreme Memory Profile (XMP)

\*\* Refer to [www.asus.com](http://www.asus.com) for the Memory QVL (Qualified Vendors Lists).

\* Due to Intel® chipset limitation, DDR3 1600 MHz and higher memory modules on XMP mode will run at the maximum transfer rate of DDR3 1600 Mhz.

## Graphic

Integrated Graphics Processor

Multi-VGA output support : HDMI/DVI/RGB/DisplayPort ports

- Supports HDMI with max. resolution 4096 x 2160 @ 24 Hz / 2560 x 1600 @ 60 Hz
- Supports DVI with max. resolution 1920 x 1200 @ 60 Hz
- Supports RGB with max. resolution 1920 x 1200 @ 60 Hz
- Supports DisplayPort with max. resolution 4096 x 2160 @ 24 Hz / 3840 x 2160 @ 60 Hz

Maximum shared memory of 512 MB

Supports Intel® InTru™ 3D, Quick Sync Video, Clear Video HD Technology, Insider™

Supports up to 3 displays simultaneously

DP 1.2 Multi-Stream Transport compliant, supports DP 1.2 monitor daisy chain up to 3 displays

## Expansion Slots

1 x PCIe 3.0/2.0 x16 (x16 mode)

1 x mini-PCIe

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## Storage

### Intel® H97 chipset :

1 x M.2 Socket 3, with M Key, type 2260/2280 storage devices support (both SATA & PCIE mode)

4 x SATA 6Gb/s port(s), gray,

Support Raid 0, 1, 5, 10

Supports Intel® Smart Response Technology, Intel® Rapid Start Technology, Intel® Smart Connect Technology \*1

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## LAN

Intel® I218V, 1 x Gigabit LAN Controller(s)

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## Audio

Realtek® ALC887 8-Channel High Definition Audio CODEC \*2

- Supports : Jack-detection, Multi-recording, Front Panel MIC Jack-retasking

### Audio Feature :

- Dedicated audio PCB layers: Separate layers for left and right channels to guard the quality of the sensitive audio signals

- Audio amplifier: Provides the highest-quality sound for headphone and speakers

- Premium Japanese-made audio capacitors: Provide warm, natural and immersive sound with exceptional clarity and fidelity

- Unique de-pop circuit: Reduces start-up popping noise to audio outputs

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## USB Ports

### Intel® H97 chipset :

6 x USB 3.0/2.0 port(s) (4 at back panel, blue, 2 at mid-board)

### Intel® H97 chipset :

6 x USB 2.0/1.1 port(s) (4 at back panel, )

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## Special Features

### ASUS 5X Protection :

- ASUS DIGI+ VRM - 6 Phase digital power design

- ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention

- ASUS ESD Guards - Enhanced ESD protection

- ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability

- ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating

**ASUS Exclusive Features :**

- Remote GO!
- MemOK!
- AI Suite 3
- Ai Charger
- Anti-Surge
- USB 3.0 Boost
- Disk Unlocker

**Interactive HomeCloud**

- Media Streamer

**ASUS Quiet Thermal Solution :**

- ASUS Fan Xpert 2+

**ASUS EZ DIY :**

- ASUS CrashFree BIOS 3
- ASUS EZ Flash 2
- ASUS UEFI BIOS EZ Mode
- Push Notice

**ASUS Q-Design :**

- ASUS Q-Slot
- ASUS Q-DIMM

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## Operating System Support

Windows® 8.1 86x64

Windows® 8 86x64

Windows® 7 86x64

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## Back I/O Ports

1 x PS/2 keyboard/mouse combo port(s)

1 x DVI

1 x D-Sub

1 x DisplayPort

1 x HDMI

1 x LAN (RJ45) port(s)

4 x USB 3.0 (blue)

4 x USB 2.0

1 x Optical S/PDIF out

3 x Audio jack(s)

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## Internal I/O Ports

1 x USB 3.0 connector(s) support(s) additional 2 USB 3.0 port(s) (19-pin)

1 x USB 2.0 connector(s) support(s) additional 2 USB 2.0 port(s)

1 x M.2 Socket 3 for M Key, type 2260/2280 devices

1 x TPM header

4 x SATA 6Gb/s connector(s)

1 x CPU Fan connector(s) (1 x 4 -pin)  
2 x Chassis Fan connector(s) (2 x 4 -pin)  
1 x S/PDIF out header(s)  
1 x 24-pin EATX Power connector(s)  
1 x 8-pin ATX 12V Power connector(s)  
1 x Front panel audio connector(s) (AAFP)  
1 x Internal speaker connector(s)  
1 x System panel(s)  
1 x MemOK! button(s)  
1 x Clear CMOS jumper(s)

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## Accessories

User's manual  
I/O Shield  
2 x SATA 6Gb/s cable(s)

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## BIOS

64 Mb Flash ROM, UEFI AMI BIOS, PnP, DMI2.7, WfM2.0, SM BIOS 2.8, ACPI 5.0, Multi-language BIOS, ASUS EZ Flash 2, ASUS CrashFree BIOS 3, My Favorites, Quick Note, Last Modified log, F12 PrintScreen, F3 Shortcut functions and ASUS DRAM SPD (Serial Presence Detect) memory information

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## Manageability

WfM 2.0, DMI 2.7, WOL by PME, PXE

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## Support Disc

Drivers  
ASUS Utilities  
EZ Update  
Anti-virus software (OEM version)

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## Form Factor

Mini ITX Form Factor  
6.7 inch x 6.7 inch ( 17 cm x 17 cm )

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## Note

\*1:These functions will work depending on the CPU installed.

\*2:Use a chassis with HD audio module in the front panel to support an 8-channel audio output.

The product (electrical , electronic equipment, Mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- PCB color and bundled software versions are subject to change without notice.
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