

## Hi-Fi K1-I Motherboard



- Support the Intel 4th generation Core i7 and Core i5 processors in the 1150 package
- Intel H81 single chip architecture
- Support 2-DIMM DDR3-1600/1333 up to 16G maximum capacity
- 100% Solid Capacitors
- BIOSSTAR Hi-Fi Karaoke Technology inside
- Intel Rapid Start Technology
- Intel Smart Connect Technology

## Hi-Fi K1-I Specification

|                  |                                                                                                                                                                                                         |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU SUPPORT      | Intel® Core™ i7 LGA 1150 Processor<br>Intel® Core™ i5 LGA 1150 Processor<br>Intel® Core™ i3 LGA 1150 Processor<br>Intel® Pentium® LGA 1150 Processor<br>Maximum CPU TDP (Thermal Design Power) : 95Watt |
| MEMORY           | Support Dual Channel DDR3 1600/1333/1066 MHz<br>2 x DDR3 DIMM Memory Slot<br>Max. Supports up to 16GB Memory                                                                                            |
| INTEGRATED VIDEO | By CPU model<br>Supports DX11.1<br>Supports HDCP                                                                                                                                                        |
| STORAGE          | 2 x SATA III Connector<br>2 x SATA II Connector                                                                                                                                                         |
| LAN              | Realtek RTL8111G - 10/100/1000 Controller                                                                                                                                                               |
| AUDIO CODEC      | C-Media CM108AH 2 Channel HD Audio<br>Support HD Audio<br>Support Biostar Hi-Fi                                                                                                                         |
| USB              | 1 x USB 3.0 Header<br>4 x USB 2.0 Port<br>1 x USB 2.0 Header                                                                                                                                            |

|                 |                                                                                                                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXPANSION SLOT  | 1 x PCI-E 2.0 x16 Slot<br>1 x PCI-E 2.0 x1 Slot                                                                                                                                                                                              |
| REAR I/O        | 1 x PS/2 Mouse<br>1 x PS/2 Keyboard<br>4 x USB 2.0 Port<br>1 x HDMI Connector<br>1 x VGA Port<br>1 x LAN Port<br>3 x Audio Jacks                                                                                                             |
| INTERNAL I/O    | 1 x USB 3.0 Header<br>1 x USB 2.0 Header<br>2 x SATA III Connector (6Gb/s)<br>2 x SATA II Connector (3Gb/s )<br>1 x Front Audio Header<br>1 x Front Panel Header<br>1 x CPU Fan Connector<br>1 x System Fan Connector<br>1 x COM Port Header |
| H/W MONITORING  | CPU / System Temperature Monitoring<br>CPU / System Fan Monitoring<br>Smart / Manual CPU Fan Control<br>System Voltage Monitoring                                                                                                            |
| DIMENSION       | Micro ATX Form Factor Dimension: 23cm x 17.4cm<br>( W x L )                                                                                                                                                                                  |
| OS SUPPORT      | Supports Windows 7 / 8 / 8.1 / 10(x64)                                                                                                                                                                                                       |
| BUNDLE SOFTWARE | BullGuard<br>Smart Ear headphone Utility<br>BIO-Remote2<br>Smart Speed LAN<br>Intel Rapid Start Technology<br>Intel Smart Connect Technology                                                                                                 |
| ACCESSORIES     | 2 x SATA Cable<br>1 x I/O Shield<br>1 x DVD Driver<br>1 x Quick Guide                                                                                                                                                                        |
| FEATURES        | Windows 8 Ready<br>Supports Hi-Fi Karaoke<br>Supports 100% Solid capacitor<br>BIO-FLASHER<br>Supports Charger Booster<br>Supports BIOS Online Update                                                                                         |

## Hi-Fi K1-I OVERVIEW

CPU-Chipset



## Intel H81 chipset

The latest Intel H81 Express chipset is a single-chipset design that supports socket LGA1150 4th generation Intel® Core™ i7/i5/i3/Pentium/Celeron processors. It natively supports up to two USB 3.0 ports for up to 10 times faster transfer rates than previous USB 2.0. Intel H81 Express chipset also supported iGPU such as Intel processors with DX11 graphics allow you enjoy the higher frame rate in Gaming experience.



## Intel LGA 1150 4th Generation Intel Core™ Processor support

The 4th generation Intel® Core™ processors are based on 4th generation Intel® Core™ processor architecture, with the latest 22nm process to maximize the processor platform. Based on the new LGA 1150 socket, 4th generation Intel® Core™ processors with graphics with DX11.1 & OCL1.2 cores , the overall performance will meet your demand.

## Audio+



## Hi-Fi

A combination of exclusive hardware & software design including "ground-isolation circuit design", "an independent audio power", and "a built-on-board amplifier", with all these hardware features gives you the best audio quality and performance. As for software, we offer you a free bundle utility "Multi-Channel Calibration" which normally you'll find in high level sound systems; this feature allows you to auto detect your location; with a user friendly interface, you can easily adjust the volume of every speakers to make a well balanced surround sound. And of course, the built-on-board amplifier always gives you a super powerful sound comparing to other motherboards.



## Hi-Fi Cap

BIOSTAR Hi-Fi series motherboards come with high quality 'Non-Polarized Electrolysis Electric audio capacitors' for each audio channel circuit. The customized audio capacitors deliver low noise, low distortion, and wide bandwidth to achieve the highest sound resolution and sound expansion. The critical component will ensure the most realistic sound effects to gaming enthusiasts.

## Video+



## HDMI 4K2K

The new 4K2K resolution enables high-definition image display with four times the resolution of full HD, 4K2K display is faithfully express bright, highly detailed content that fills the entire screen with lifelike images. Connectivity with PCs via a single HDMI cable for displaying 4K2K data.



## DX11

Direct3D 11 enables Direct3D 10 APIs and Direct3D 11 APIs to use one underlying rendering device. And it allows developers to achieve a high speed, fully conformant software rasterizer.



## Integrated HDMI with HDCP

Onboard HDMI connector allows full video & audio support. It has industry-leading high definition video quality.

## Speed+



## USB 3.0

Experience Fastest data transfers at 5 Gbps with USB 3.0--the new latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.0 transfers data 10X faster and backward compatible with previous USB 2.0 components.



## Charger Booster

Charger booster is the best and efficient charger solution for apple devices such as iPad, iPhone. Basically, Charger booster Technology is able to boost the charging time to be more efficiency and faster once any apple goods connecting to our Motherboard. With charger booster technology, you are able to charge your apple devices up to 42 % faster.



## PCIe 3.0

PCIe 3.0 is the ubiquitous and general-purpose PCI Express I/O standard. At 8GT/s bit rate, the interconnect performance bandwidth is doubled over PCIe 2.0, while preserving compatibility with software and mechanical interfaces.



## SATAIII 6Gbps

SATAIII 6Gbps provides a higher bandwidth to retrieve and transfer HD media. With this super speed data transfer, SATAIII allows an incredible data boost which is 2x faster than the SATA II.



## Intel Smart Connect

Smart Connect will periodically wake the computer is in sleep state, the things to check for updates and information.



## Intel Rapid Start

Rapid Start is a free utility that Biostar motherboard 8 series designed simply to install. Can quickly start to make rapid system recovery from a deep sleep at about 5 seconds.

## Durable+



## 100% Solid Caps

With armor-plated Biostar Technology, all capacitors are placed with 100% solid capacitors that have a lasting life cycle, durability and stability for crucial components.

## Protection+



### ESD Protection

ESD (Electrostatic Discharge) is the major factor to destroy the PC by electrical overstress (EOS) condition. ESD occurred by PC users when touch any devices connect to a PC, which may result in damage to the motherboard or parts. ESD protection is designed to protect the motherboard and equipment from damage by EOS.



### USB Polyswitch

On board dedicated power fuse to help prevent USB port failure. It prevents USB Port overcurrent and safe guard your system and device lifespan.



### BIOS Virus Protection

When enabled, the BIOS will protect the boot sector and partition table by halting the system and flashing a warning message whether there's an attempt to write to these areas.



### OC / OV / OH Protection

OC / OV / OH Protection design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect your system.

## DIY+



## UEFI BIOS

Unified Extensible Firmware Interface (UEFI) is a brand new framework that provides a revolutionary interface. It is a modern clear and easy-to-use graphical user interface. The UEFI comes with a colorful easy-understand icons leads users into the setup layer directly.



## Header Zone

Users can easily assemble their own computer, a simple-swap data discs and other accessories.



## BIO-Flasher

BIO-Flasher is a convenient BIOS update tool. Just launch this tool and put the BIOS on USB pen driver before entering the OS. You can update your BIOS with only a few clicks without preparing an additional floppy disk or other complicated flash utility.

**\*The specification and pictures are subject to change without notice and the package contents may differ by area or your motherboard version!**