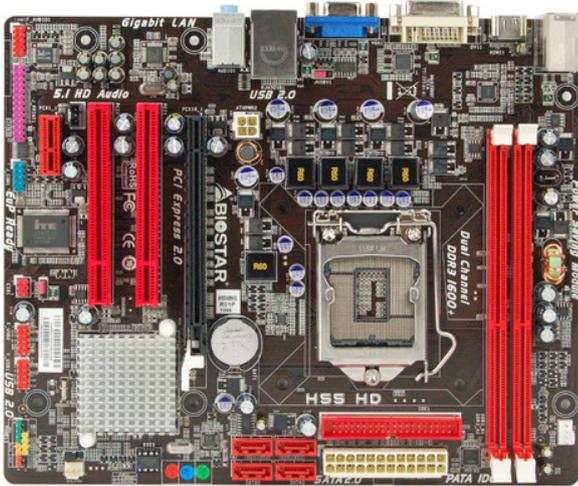


## H55 HD Motherboard



- Supports the Intel Core i7 / i5 / i3 / Pentium Processors in the LGA1156 Package
- Intel H55 single chip architecture
- 5 Phases Power Design
- Support 2-DIMM 1600(OC)/1333/1066
- Integrated HDMI/DVI interface with HDCP Supporting all HD formats including 720P, 1080i, 1080P. ( Required processors with Intel HD Graphics )
- CPU integrated Graphics performance tunable via BIOS
- Optimized to deliver full windows 7 Experience
- Supports BIO-Remote 2 Technology
- Supports Charger Booster Technology

## H55 HD Specification

CPU SUPPORT	Intel® Core™ i7 LGA 1156 Processor Intel® Core™ i5 LGA 1156 Processor Intel® Core™ i3 LGA 1156 Processor Intel® Pentium® LGA 1156 Processor Maximum CPU TDP (Thermal Design Power) : 95Watt
MEMORY	Support Dual Channel DDR3 1600(OC)/1333/1066/800 MHz 2 x DDR3 DIMM Memory Slot Max. Supports up to 8GB Memory
INTEGRATED VIDEO	By CPU model
STORAGE	4 x SATA II Connector 1 x IDE Connector
LAN	Realtek RTL8111DL - 10/100/1000 Controller
AUDIO CODEC	Realtek ALC662 6-Channel HD Audio

USB	4 x USB 2.0 Port 2 x USB 2.0 Header
EXPANSION SLOT	1 x PCI-E 2.0 x16 Slot 1 x PCI-E 2.0 x1 Slot 2 x PCI Slot
REAR I/O	1 x PS/2 Keyboard 4 x USB 2.0 Port 1 x HDMI Connector 1 x DVI Connector 1 x VGA Port 1 x LAN Port 3 x Audio Jacks
INTERNAL I/O	2 x USB 2.0 Header 4 x SATA II Connector (3Gb/s ) 1 x IDE Connector 1 x Front Audio Header 1 x Front Panel Header 1 x S/PDIF-Out Header 1 x CPU Fan Connector 1 x System Fan Connector 1 x CIR Header 1 x COM Port Header 1 x Printer Port Header
DIMENSION	Micro ATX Form Factor Dimension: 24.4cm X 20cm ( W x L )
OS SUPPORT	Supports Windows 2000 / XP / Vista / 7
BUNDLE SOFTWARE	BIO-Remote
ACCESSORIES	2 x SATA Cable 1 x I/O Shield 1 x Fully Setup Driver CD 1 x Quick Guide
FEATURES	Windows 7 Compatible Supports Solid capacitor BIO-FLASHER

## H55 HD OVERVIEW

### CPU-Chipset



## Intel H55 chipset

The Intel H55 Chipset includes the FDI (Flexible Display Interface) which enables direct connection between the CPU and the graphics core. This allows the display information to be sent back to the H55 chipset for output. The graphics core inside the Clarkdale processor is known as GMA HD. Its difference from the G45 GMA X4500HD is in the number of Unified shaders which was increased from 10 to 12.



## Intel LGA 1156 Core™ i7/Core™ i5 Processor support

Lynnfield is the first family of Intel 45nm CPU processors that uses the Intel Nehalem micro architecture in LGA1156 package. It is supported by Intel® DMI Interconnect and integrated with the Dual-channel memory controller with 4 DIMM slots DDR3 memory. It supports the Intel Turbo boost technology and smart cache.

## Durable+



## 5 Phase Power Phase Design

5-phase VRM design with high quality power components such as low RDS (on) Mosfet for lower temperature has the advantage to raise the overclocking ability.



## X.D.C (eXtreme Durable Capacitors)

Biostar adopts low ESR and high ripple conductive solid state caps that provide sufficient, stable power supply to the CPU. The life span can also be more than 6.25 x of ordinary liquid caps.

## DIY+

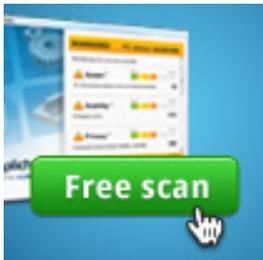
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## Simplitec

"Simplitec" offers premium solutions to ensure your PC is faster, more reliable and free of security gaps - automatically or with customized setups. "Simplitec" is a free bundle software to scan your computer for problems and offers a professional solution for each problem to put your PC back in top form.



## BIOS-Flasher

BIOS-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.



## BIOS-ReLife

BIOS-ReLife Technology lets you recover crashed BIOS data from a USB flash pen driver that stores new BIOS file. This practical BIOS utility can restore your system and recover from a BIOS crash situation.

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