Hi-Fi A85X 5.x

- Supported Socket FM2 processors AMD A-series/ E2-series processor

- Supported AMD Mutil Core(x4,x2)

- AMD 100W processor support

- AMD A85 Chipset

- 4 DIMM supported DDR3-2400(OC)/ 2133(OC)/ 1866/ 1600/ 1333/ 1066/ 800

- Supported SATA 6Gb/s 2X speed than current SATA 3G

- Supported USB 3.0

- AMD Dual Graphics Technology

- 100% X.D.C solid capacitor

- BIOSTAR Puro Hi-Fi

Chipset	• AMD A85
CPU SUPPORT	• AMD A10 Processor • AMD A8 Processor • AMD A6 Processor • AMD A4 Processor • AMD E2 Processor • AMD Athlon™ II X4 Processor • Maximum CPU TDP (Thermal Design Power) : 100Watt
MEMORY	• Support Dual Channel DDR3

	2400(OC)/2133(OC)/1866/1600/1333/1066/800 MHz • 4 x DDR3 DIMM Memory Slot • Max. Supports up to 64GB Memory
EXPANSION SLOT	• 3 x PCI-E x16 2.0 Slot (x16 + x8 + x4) • 3 x PCI-E x1 2.0 Slot • 1 x PCI Slots
STORAGE	• 7 x SATA3 Connector • 1 x eSATA Connector • Support SATA RAID: 0,1,5,10
USB	• 2 x USB 3.0 Port • 1 x USB 3.0 Header • 4 x USB 2.0 Port • 3 x USB 2.0 Header
GbE	• Realtek RTL8111F - 10/100/1000 Controller
MULTI GRAPHICS	• AMD CrossFireX
INTEGRATED VIDEO	• By CPU model • AMD Dual Graphics Technology • Supports DX11 • Supports HDCP
CODEC	• Realtek ALC898 8 Channel Blu-ray Audio
REAR I/O	• 1 x PS/2 Keyboard • 1 x eSATA Connector

	• 2 x USB 3.0 Port • 4 x USB 2.0 Port • 1 x HDMI Connector • 1 x Display Port • 1 x DVI Connector • 1 x VGA Port • 1 x RJ-45 Port • 6 x Audio Connector
INTERNAL I/O	• 1 x USB 3.0 Header • 3 x USB 2.0 Header • 7 x SATA3 6Gb/s Connector • 1 x Front Audio Header • 1 x Front Panel Header • 1 x S/PDIF-OUT Header • 1 x CPU FAN Header • 2 x System FAN Header • 1 x Serial Header • 1 x CIR Header
DIMENSION	• ATX Form Factor Dimension: 30.5cm x 24.4cm (W x L)
OS SUPPORT	• Support Windows XP / Vista / 7 / 8
ACCESSORIES	• 4 x SATA Cable • 1 x CrossFire Connector • 1 x I/O Shield

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

	• 1 x DVD Driver • 1 x User Manual
FEATURES	• Windows 8 Compatible • Supports THX TruStudio Pro • Supports BIO-Remote2 • Supports BIO-Remote • Supports 100% Solid capacitor • Supports Rapid Switch2 • Supports Rapid Debug3 • Supports BIOS-Flasher • Supports Charger Booster • Supports BIOS Online Update

Exclusive Features

THX truStudio PRO THX TruStudio Pro is specially designed to bring the same great audio experience found in live performances, films, and recording studios - to the PC. THX TruStudio Pro provides the latest groundbreaking technologies that are products of years of collective experience and research by Creative and THX. Together, these technologies deliver the fullest audio experience for music, movies and games, while remaining true to the source and intention of the artists who created it.	

Hi-Fi Power

Audio power is an important factor in audio quality. Most AV equipment isolates the power supply for each analog and digital signal to gather high-quality sound reproduction. Equipped with BIOSTAR Hi-Fi Power technology, it will utilize audio components with independent power design for a significant reduction in electronic noise and superb sound quality.

Hi-Fi Ground

BIOSTAR Hi-Fi Ground presents noise-blocking multi-layer PCB design which isolates analog audio signals from digital sources. The unique PCB layout is ideal for exceptional clarity and high fidelity sound. It's focused on improving sound quality beyond the regular motherboard designs.

Hi-Fi 192/24

BIOSTAR Hi-Fi series motherboards have a sampling rate of 192kHz/24-bit which delivers a high quality audio through an analog connection to your home theater system, multi-channel speakers and high-end headphone. You can enjoy real Blu-ray grade high-definition sound that you've never experienced before.

MCC

Multi Channels Calibration (MCC) can transform any room into the ideal listening environment. With Multi Channels Calibration (MCC), audio performance is automatically calibrated according to the dimensions of your room. Simply place the speaker and setup the microphone at your usual listening spot, position the speakers and connect them. The users can set up the speaker settings easily by using a free bundle MCC software.

High Quality ESD

BIOSTAR Hi-Fi series motherboards provide high quality ESD (Electro-Static Discharge) solution for its front I/O panel. This function prevents static electricity and reduces the damage to the motherboards when you are plugging or unplugging your headphone.

Hi-Fi AMP

The built-in amplifier can drive major high-end headphones with over 100dB loads and offer wide band-width, low noise, high slew rate and low distortion audio source from front panel I/O. Gaming enthusiasts can enjoy a fuller range of dynamic sound with crisper details and less distortion.

Smart Ear

Smart EAR is a windows-based audio utility which allows you to easily adjust system volume. With its user-friendly GUI, you can also increase or decrease impedance setting (Low/High Gain) to optimize your headphone performance. You can easily enjoy high-quality and awesome sound.

Hi-Fi Resistor

Metal-oxide film resistors are made of metal oxides such as tin oxide. The electric characteristics are greater stability and reliability than regular metal film resistors when operating in an extremely broad working temperature range. This special component is used in applications with high endurance audio demands.

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.

Hi-Fi 110dB+

Embrace exceptional sound quality for the win with 110dB SNR and stylish and efficient EMI shield blocks electromagnetic interference to help provide cleaner audio. It has achieved a signal-to-noise ratio (SNR) of 110dB, yielding almost loss-less audio form rear audio connectors.

SmartSpeedLAN

SmartSpeedLAN is a free software application which monitors and manages your PC's network behavior. With user-friendly GUI, it allows you to select and prioritize different types of network traffic, including gaming, media streaming, communications or web surfing.You can also set any specific applications, choosing to prioritize or block accordingly. SmartSpeedLAN can feature automatic management options that use adaptive networking intelligence to ensure that you are getting the best online experience possible.

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.

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.

BIO-Remote 2

BIO-Remote2 Technology is featuring users a better Home Theater environment. Users who own either Android mobile or Apple goods are able to access and control your PC remotely; At this moment, you're smart device became a intelligent and functional remote controller; more than that, BIO-Remote2 also includes both function of mouse pad and power point presentation mode.

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.

Blu-ray Audio

Upgrading your Audio performance in the easiest way is choosing BIOSTAR ultimate Motherboard. It does support Blu-ray audio DRM (compatible driver/software) and provide the higher audio output of 24 bit/ 192KHz than the 16 bit/ 48KHz from the normal MB. You will experience the high quality sound effect with pure Blu-Ray Audio.

Chipset-CPU Features

Dual Channel DDR3

It supports 2 or 4 DIMM Slots DDR3 memory that features data transfer rates of DDR3 2000(O.C.)/1800(O.C.)/1600/1333. The processor support 2 memory channels and setting the memory multiplier, allows selection of the channel speed. These clearly uplift the band width and boost the overall system performance.

ATI CrossFire X™ Technology

ATI CrossFireX™ is the ultimate multi-GPU performance gaming platform. With game-dominating power, ATI CrossFireX technology enables two or more discrete graphics processors to work together to improve system performance. It supports up to four ATI Radeon™ HD graphics cards, making it the most scalable gaming platform ever!

ATI Hybrid CrossFireX™ Technology

ATI Hybrid CrossFireX™ takes your gaming experience to the next level, under a Windows Vista® environment. ATI Hybrid CrossFireX boosts PC performance by enabling the AMD Chipset's integrated graphics processor and a discrete GPU (ATI Radeon™ HD 2400 Series ATI Radeon™ HD 3400 Series) to operate simultaneously with combined output to a single display for blis display for blisteringly-fast frame rates. Unleash the graphics performance that you've been waiting for on a mainstream Windows Vista® PC!

Integrated HDMI with HDCP

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

**SATA 6Gb/s
High Efficiency of Data transfer rate**

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 3G.

BIOS-Software Features

BullGuard Internet Security (90 days FREE trial)

BullGuard Internet Security comes with the broadest line-up of internet security features on the market, including: a cutting-edge dual Antivirus engine, Online Backup for your precious files, PC Tune Up to speed up your system, a Game Mode for a seamless gaming experience, Parental Control, Firewall, Safe Browsing and many more. Make the most of your digital life with Bullguard!

BIO-Flasher

Update BIOS effortlessly from a USB flash disk before entering the OS. 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.

T-Overclocker

T-overclocker presents a simple Windows-based system performance enhancement and utility management. It features several powerful yet easy to use tools such as overclocking for system performance enhancement, CPU and memory special enhancement, a smart-fan control for managing fan speed control of both CPU cooling fan, north-bridge chipset cooling fan, PC health for monitoring system status, and pre-set OC modes for easy OC.

eHot-Line Utiltiy

Integrated e-service automatically sends your technical support request to Biostar Globe tech support without any delay.

BIOScreen Utility	
Personalize your desktop with customizable boot logo. BIOScreen is the new feature that lets you personalize and create your own style with unique, custom-made boot logo.	

Other Features

Rapid Switch 2	
Engineered by BIOSTAR, the exquisite onboard switches allow you to easily shut down and restart your system.	
Rapid Debug 3	
Rapid Debug3 posts critical POST code information in a digital LED display. When system malfunction occurs, it auto-detects the device's failure and translates the error codes on the digital LED. It also shows the CPU temperature on the same screen.	