

Rampage II GENE

Mini Size, Max Power

- Intel® Core™i7 Processor Ready
- Intel® X58/ICH10R
- Triple-channel, DDR3 2000(O.C.) Support
- MemOK!
- CPU Level Up
- SupremeFX X-Fi built-in
- Pair X58 with SLI™ / CrossFireX™ in SFF system

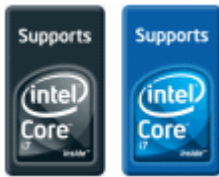


The Republic of Gamers consists only the best of the best. We offer the best hardware engineering, the fastest performance, the most innovating ideas, and we welcome the best gamers to join in.

In the Republic of Gamers, mercy rules are only for the weak, and bragging rights means everything. We believe in making statements and we excel in competitions. If your character matches our trait, then join the elite club, make your presence felt, in the Republic of Gamers.

CPU Features

LGA1366 Intel® Core™i7 Processor support



This motherboard supports the latest Intel® Bloomfield processors in LGA1366 package which has memory controller integrated to support 3-channel DDR3 memory. Support Intel® QuickPath Interconnect (QPI) with system bus up to 6.4GT/s and a max bandwidth of up to 25.6GB/s. Intel® Core™i7 processor is one of the most powerful and energy efficient CPU in the world.

CPU & Chipset Features

Intel® X58 Chipset



The Intel® X58 Express Chipset is the latest chipset designed to support latest Intel® Core™ i7 Processors and Intel's next generation system interconnect interface, Intel® QuickPath Interconnect (QPI), providing improved performance by utilizing serial point-to-point links, allowing increased bandwidth and stability. It also supports up to 36 PCI Express 2.0 lanes providing better graphics performance.

PCIe 2.0



PCIe 2.0 Double Speed; Double Bandwidth

This motherboard supports the latest PCIe 2.0 devices for double speed and bandwidth which enhances system performance.

Multi-GPU Technology

SLI/CrossFire On-Demand



Why choose when you can have both?

SLI or CrossFireX? Fret no longer because with the ROG Rampage II Extreme, you'll be able to run both multi-GPU setups. The board features SLI/CrossFire on Demand technology, supporting up to three graphics cards in a 3-Way SLI or CrossFireX configuration. Whichever path you take, you can be assured of jaw-dropping graphics at a level previously unseen.

Memory Feature

Triple-Channel, DDR3 2000(O.C.) MHz



The motherboard supports DDR3 memory that features data transfer rates of 2000(O.C.)/1800(O.C.)/1600(O.C.)/1333/1066 MHz to meet the higher bandwidth requirements of the latest operation system, 3D graphics, multimedia, and Internet applications. The triple-channel DDR3 architecture triple the bandwidth of your system memory to boost system performance, eliminating bottlenecks with peak bandwidths of up to 43.2 GB/s.

ROG Exclusive Features

iROG



Intelligent multiple control at hand

The iROG is a special IC which enables several ROG highlighted functions that gives users full disposal of the motherboard at any stage! This design allows advanced user control and management to be processed purely at a hardware level. iROG greatly increases fun during overclocking for PC enthusiasts and it offers system maintenance and management with more control and efficiency.

MemOK!



Any memory is A-OK!

Memory compatibility is among the top concerns when it comes to computer upgrades. Worry no more, MemOK! is the fastest memory booting solution today. This remarkable memory rescue tool requires nothing but a push of a button to patch memory issues and get your system up and running in no time. The technology is able to determine failsafe settings that can dramatically improve system booting success.

Voltiminder LED



Friendly reminder on the intentional madness

In the pursuit of extreme performance, overvoltage adjustment is critical but risky. Acting as the "red zone" of a tachometer, the Voltiminder LED displays the voltage status for CPU, NB, SB, and Memory in a intuitive color-coded fashion. The voltiminder LED allows quick voltage monitoring for overclockers.

CPU Level Up



A Simple click for instant upgrade

Ever wish that you could have a more expansive CPU? Upgrade your CPU at no additional cost with ROG's CPU Level Up! Simply pick the processor you wanted to OC to, and the motherboard will do the rest! See the new CPU speed and enjoy that performance instantly. Overclocking is never as easy as this.

Extreme Tweaker



One stop performance tuning shop

Extreme Tweakers is the one stop shop to fine-tune your system to optimal performance. No matter if you're looking for frequency adjustment, over-voltage options, or memory timing settings, they're all here!

COP EX



Maximum OC with confidence with burn proof protection to chipsets and GPU!

The COP EX allows overclockers to increase chipset voltages without the worries of overheating. It can also be used to monitor and save an overheating GPU. The COP EX allows more freedom and less constraint for maximum performance achievement.

Loadline Calibration



Optimal power boost for extreme CPU overclocking!

Maintaining ample voltage support for the CPU is critical during overclocking. The Loadline Calibration ensures stable and optimal CPU voltage under heavy loading. It helps overclockers enjoy the motherboard's ultimate OC capabilities and benchmark scores.

Sound with Clarity

SupremeFX X-Fi built-in



Listen with Absolute HD

SupremeFX X-Fi delivers an excellent high definition audio experience to the gamers of ROG. The SupremeFX X-Fi features unique audio innovations for gamers to spot enemies in 3D environment during game play. SupremeFX X-Fi also provides gamers a special tool to emphasize human voices in games to help make dialogues clearer and more audible.

Noise Filter



Noise Filter

Eliminate background noise while recording

This feature detects repetitive and stationary noises like computer fans, air conditioners, and other background noises then eliminates it in the incoming audio stream while recording.

ROG EZ DIY Features

External LCD Poster



Debug and read system problems with an new external look!

The new LCD Poster now posts critical POST information in an ever friendly and flexible external display. When system malfunction occurs, the LCD Poster automatically detects device failure and translates the errors on the LCD during POST.

ASUS EPU-6 Engine



System Level Energy Saving

The new ASUS EPU - the world's first power saving engine, has been upgraded to a new 6 engine version, which provides total system power savings by detecting current PC loadings and intelligently moderating power in real-time. With auto phase switching for components (which includes the CPU, VGA card, memory, chipset, hard drives and CPU cooler/system fans), the EPU automatically provides the most appropriate power usage via intelligent acceleration and overclocking - helping save power and money.

Onboard Switch



No more shorting pins or moving jumpers

With an easy press during overclock, this exclusive onboard switch allows gamer to effortlessly fine-tune the performance without having to short the pins or moving jumpers!

ASUS Q-Connector



Make connections quick and accurate

The Q-Connector allows you to connect or disconnect chassis front panel cables in one easy step with one complete module. This unique adapter eliminates the trouble of plugging in one cable at a time, making connection quick and accurate.

Q-Fan Plus



Optimized quietness and cooling for more devices!

The Q-Fan function automatically detects temperature and adjusts fan speed accordingly to achieve quiet and efficient cooling. With Q-Fan Plus, special temperature sensor cable is provided to detect temperature on any

device. When used with a optional fans, you may activate Q-Fan function on up to 3 additional devices of your choice!

Rich Software Bundled

Futuremark® 3DMark®06 (Advanced Edition)

3DMARK⁰⁶ The Gamers' Benchmark

3DMark is the most popular and authoritative 3D benchmark application used by professionals around the world. The 3DMark06 is the latest version in the popular 3DMark series, including advanced SM2.0 and HDR/SM3.0 Shader graphics tests and now including single, multiple core and multiple processor CPU tests as part of the 3DMark score! The accurate performance and image quality diagnostic tool, designed for DirectX®9.0c, provides you with all the information you need to make all other competitors look bad.

Kaspersky® Anti-Virus



The best protection from viruses and spyware

Kaspersky® Anti-Virus Personal offers premium antivirus protection for individual users and home offices. It is based on advanced antivirus technologies. The product incorporates the Kaspersky® Anti-Virus engine, which is renowned for malicious program detection rates that are among the industry's highest.

Specifications

CPU	Intel® Socket 1366 Core™ i7 Processor Extreme Edition/Core™ i7 Processor Supports Intel® Dynamic Speed Technology * Refer to www.asus.com for Intel CPU support list
Chipset	Intel® X58 /ICH10R
System Bus	Up to 6400 MT/s with QuickPath Interconnection
Memory	6 x DIMM, Max. 24 GB, DDR3 2000(O.C.)/1800(O.C.)/1600(O.C.)/1333/1066 Non-ECC, Unbuffered Memory Triple channel memory architecture * Supports Intel® Extreme Memory Profile (XMP) **Due to Intel spec definition, DIMMs of DDR3-1333 or above are out of spec. Please refer to www.asus.com or user manual for the Memory QVL(Qualified Vendors List).
Expansion Slots	2 x PCIe 2.0 x16 support at dual x16 speed 1 x PCIe 2.0 x4 1 x PCI 2.2
Multi-GPU Support	Support NVIDIA SLI™ / ATI CrossFireX™ Technology
Storage	Intel ICH10R controller 6 xSATA 3 Gb/s ports Intel Matrix Storage Technology Support RAID 0,1,5,10 JMicron® JMB363 PATA and SATA controller 1 xUltraDMA 133/100/66/33 for up to 2 PATA devices 1 xInternal SATA 3.0 Gb/s port 1 xExternal SATA 3.0 Gb/s port (SATA On-the-Go)

*Due to the Windows XP/ Vista limitation, the RAID array with the total capacity over 2TB cannot be set as a boot disk. A RAID array over 2TB can only be set as a data disk only. For more information, please refer to <http://support.microsoft.com/kb/946557/en-us>

LAN	Realtek® 8111C PCIe Gigabit LAN controller featuring AI NET2
Audio	SupremeFX X-Fi built-in 8 -Channel High Definition Audio CODEC EAX® Advanced™ HD 4.0 X-Fi CMSS®-3D X-Fi Crystalizer™ Creative ALchemy Supports Optical S/PDIF out ports on rear
IEEE 1394	2 x 1394a ports (1 port at back I/O, 1 port onboard)
USB	12 USB 2.0 ports (6 ports at mid-board, 6 ports at back panel)
ASUS Unique Features	<p>Power Design</p> <ul style="list-style-type: none"> - 8-phase CPU power - 2-phase QPI/DRAM power - 2-phase NB power - 2-phase Memory power <p>CPU Level Up</p> <p>Keyboard-TweakIt</p> <p>Memory Level Up</p> <p>iROG</p> <p>Extreme Tweaker</p> <p>Loadline Calibration</p> <p>Intelligent overclocking tools:</p> <ul style="list-style-type: none"> - ASUS AI Booster Utility - O.C. Profile <p>Overclocking Protection:</p> <ul style="list-style-type: none"> - COP EX (Component Overheat Protection - EX) - Voltiminder LED - ASUS C.P.R.(CPU Parameter Recall)
Special Features	<p>MemOK!</p> <p>External LCD Poster</p> <p>Q-Fan Plus</p> <p>ASUS EPU-6 Engine</p> <p>ASUS Q-Connector</p> <p>ASUS Fan Xpert</p> <p>ASUS EZ Flash 2</p> <p>ASUS CrashFree BIOS 3</p> <p>ASUS MyLogo3</p>
Back Panel I/O Ports	<p>1 x External SATA</p> <p>1 x IEEE 1394a</p> <p>1 x LAN(RJ45) port</p> <p>6 x USB 2.0/1.1</p> <p>8 -Channel Audio I/O</p> <p>1 x PS/2 Keyboard port(purple)</p> <p>1 x S/PDIF (Optical)</p> <p>1 x Clr CMOS switch</p>

Internal I/O Connectors	3 x USB connectors supports additional 6 USB 2.0 ports 1 x IDE connector for two devices 7 x SATA connectors 5 x Fan connectors: 1 x CPU / 2 x Chassis / 2 x Optional 2 x thermal sensor connectors 1 x IEEE1394a connector 1 x LCD Poster connector 1 x Chassis Intrusion connector 24-pin ATX Power connector 8-pin ATX 12V Power connector 1 x En/Dis-able Clr CMOS header 1 x Front panel audio connector 1 x CD audio in System panel connector
BIOS	16 Mb Flash ROM AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.4, ACPI2.0a Multi-Language BIOS
Manageability	WOL by PME,WOR by PME,Chasis Intrusion,PXE
Accessories	1 x SLI Cable 1 x External LCD Poster 1 x 2-in-1 ASUS Q-Connector Kit 1 x UltraDMA 133/100/66 cable 2 x SATA cables 1 x I/O Shield 1 x Cable Ties 1 x ROG theme label 1 x User's manual
Support Disc	Support DVD: - Drivers and applications Sound Blaster X-Fi Utility Futuremark® 3DMark®06 Advanced Edition Kaspersky® Anti-Virus ASUS TurboV utility ASUS PC Probe II ASUS Update ASUS AI Suite
Form Factor	uATX Form Factor 9.6 inch x 9.6 inch (24.4 cm x 24.4 cm)