

ASUS®

Inspiring Innovation • Persistent Perfection

8 Series

5X PROTECTION

Your PC's guard detail

TUF SABERTOOTH/GRYPHON

Strength through fortified stability

ROG MAXIMUS VI SERIES

Craving the best – here it is!

4-WAY OPTIMIZATION
DUAL INTELLIGENT PROCESSORS
4

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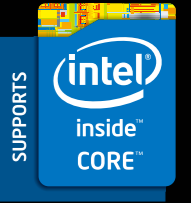
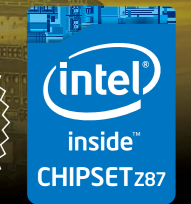
ONE CLICK,

4-WAY OPTIMIZATION

ASUS – The world's first best selling and most award winning motherboards



Bring on the 1st Thunderbolt™ certified mobo!



Model Name	CPU	Socket	Chipset	Memory		Graphics Output			Graphics (Expansion) Slot			Storage						Audio		5X PROTECTION					ASUS Exclusive Features				EZDIY Features											
				Slot	Frequency	Max. DisplayPort	HDMI	DVI	VGA	PCIe x16	PCIe x1	PCI	Multi-GPU	SATA 6Gb/s	eSATA 6Gb/s	S/PDIF BCLK/IO	S/PDIF Header	USB 3.0	USB 2.0	COM	TPM	code	Form Factor	Enhanced DRAM Overcurrent Protection	ESD Guards	All SK-T* Solid Caps	Stainless Steel back I/O	Fan Xpert 2		Network Control	USB BIOS Flashback	USB 3.0 Boost Charger+	USB BIOS	New UI BIOS	AI MemOK!	Q-Design				
H87-R10	4th Generation Intel® Core™ i7 Processors	LGA1150	Intel® H87 Express Chipset	2 DDR3 Dual Channel	1600/1333/1066	N/A	V	V	V	1P0a 3.0/2.0x16 (x16)	2	3	1P0a 3.0/2.0x16 (max. @x4)	2	3	6	N/A	Optical S/PDIF out	6	8	8	8	N/A	1x COM header onboard	1x TPM header onboard	Realtek ALC887	ATX	V	V	V	V	V	V	V	V	V	V	V	V	0-Port I/O Shield
H87-PLUS				2 DDR3 Dual Channel	1600/1333/1066	N/A	V	V	V	1P0a 3.0/2.0x16 (x16)	2	3	1P0a 3.0/2.0x16 (max. @x4)	2	3	6	N/A	Optical S/PDIF out	6	8	8	8	N/A	1x COM header onboard	1x TPM header onboard	Realtek ALC887	ATX	V	V	V	V	V	V	V	V	V	V	V	V	0-Port I/O Shield, 0-Connector
H87M-PRO				2 DDR3 Dual Channel	1600/1333/1066	N/A	V	V	V	1P0a 3.0/2.0x16 (x16)	2	3	1P0a 3.0/2.0x16 (max. @x4)	2	3	6	N/A	Optical S/PDIF out	6	8	8	8	N/A	1x COM header onboard	1x TPM header onboard	Realtek ALC887	mATX	V	V	V	V	V	V	V	V	V	V	V	V	0-DIMM, 0-Slot, 0-Design
H87M-PLUS				2 DDR3 Dual Channel	1600/1333/1066	N/A	V	V	V	1P0a 3.0/2.0x16 (x16)	2	3	1P0a 3.0/2.0x16 (max. @x4)	2	3	6	N/A	Optical S/PDIF out	6	8	8	8	N/A	1x COM header onboard	1x TPM header onboard	Realtek ALC887	mATX	V	V	V	V	V	V	V	V	V	V	V	0-DIMM, 0-Slot	
H87M-E				2 DDR3 Dual Channel	1600/1333/1066	N/A	V	V	V	1P0a 3.0/2.0x16 (x16)	2	3	1P0a 3.0/2.0x16 (max. @x4)	2	3	6	N/A	Optical S/PDIF out	6	8	8	8	N/A	1x COM header onboard	1x TPM header onboard	Realtek ALC887	mATX	V	V	V	V	V	V	V	V	V	V	V	0-DIMM, 0-Slot	
H87M-F				2 DDR3 Dual Channel	1600/1333/1066	N/A	V	V	V	1P0a 3.0/2.0x16 (x16)	2	3	1P0a 3.0/2.0x16 (max. @x4)	2	3	6	N/A	Optical S/PDIF out	6	8	8	8	N/A	1x COM header onboard	1x TPM header onboard	Realtek ALC887	mATX	V	V	V	V	V	V	V	V	V	V	V	0-DIMM, 0-Slot	
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8 SERIES MOTHERBOARDS



Z87-DELUXE

ROG
MAXIMUS VI
EXTREME

TUF
SABERTOOTH
Z87

Z87-WS



Z87 Series Motherboards

ONE CLICK, 4-WAY OPTIMIZATION

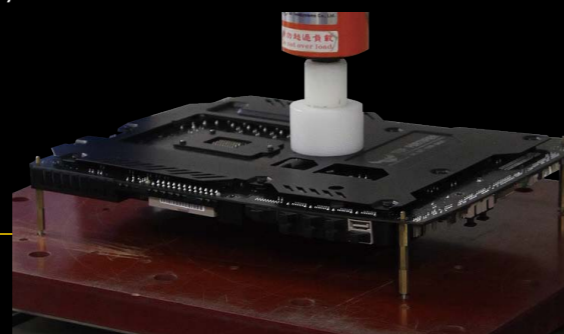
► **1. One click for better performance, efficiency, digital power control, reduced noise, and improved cooling**

- TPU: CPU performance boost
 - EPU: All-round energy efficiency
 - DIGI+ Power Control: Precise DIGI+ Power control for Intel 4th Generation Core processors
 - Fan Xpert 2: Customized fan control for the perfect cool and quiet balance
- The four works together to offer real-time system optimization



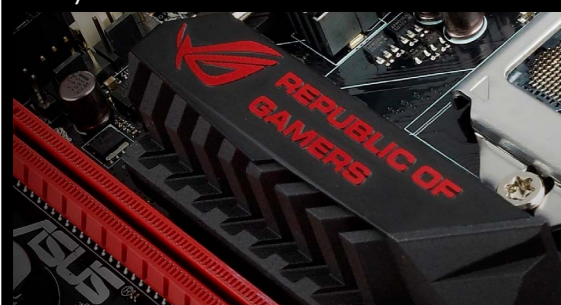
Community-appreciated Design

World-famous for quality since 1989 and winner of over 1,000 media awards in 2012, we focus on functionality and features from inception to inside your case that enable PC builds you'll enjoy for years.



Strict Compatibility and Validation

We ensure the best compatibility with select components and thorough testing, providing you worry-free computing. Tested with up to 300 memory sets for proven stability.



Optimized Performance

Exclusive features and board design unlock component potential while maximizing system lifespan and the value of your investment.



Enhanced User Experiences

Made robust, flexible, and intuitive with features such as UEFI BIOS and AI Suite 3, ASUS boards are better whether you're a DIY expert or first-time builder.



Top-rated in Service and Support

ASUS has you covered with a 3-year warranty and complete support network that offers quick response to all your questions and needs.

*May vary by location. Check with local retailers or ASUS representatives for specific details.

"Dynamic Multi-Scenario Design"

Figuring out the best settings for your PC a challenge? 4-Way Optimization automatically detects the best configuration for your system based on actual usage. The design makes sure your PC is perfect for gaming, entertainment, productivity, and everything else.

GAMING	MULTIMEDIA	AWAY
Strong performance and boosted cooling	Faster file transcoding	Backup data with minimum power draw
<p>TPU: Overclock CPU EPU: Default DIGI+: Max power delivery Fan: Max cooling</p>	<p>TPU: Overclock CPU EPU: Lower CPU voltage DIGI+: Balanced power Fan: Balanced cooling & noise</p>	<p>TPU: Default EPU: Cut off add-on IC power DIGI+: Min power delivery Fan: Min. noise</p>
<p>3.9G Default 4.7G O.C.</p>	<p>37min Default 32min Enabled</p>	<p>51W Default 30W Away Mode</p>
<p>Red-colored fans are fully stopped</p>	<p>Red-colored fans are fully stopped</p>	<p>Red-colored fans are fully stopped</p>

*Manual setting in Away Mode

*Testing configuration: Gaming - Intel LGA1150 i7-4770K | Z87-DELUXE | G.Skill DDR3-2400 4GB x 2 | Multimedia & Away - Intel LGA1150 i7-4770K | Z87-DELUXE | Patriot DDR3-1600 4GB x 2 | Corsair CCSD-F120GB3-BK 120GB

▶ 2. WI-FI GO!

Enjoy home entertainment and remotely control your PC easier than ever! Wi-Fi GO! is a one-stop utility that links your desktop with smart devices, which can be used to remotely control your PC for a truly connected lifestyle. Now upgraded with Cloud GO!, it syncs your multiple cloud storage accounts and backs up content to the PC with one click.

- Quickly gets an access point running at up to 867Mbps* via new-generation 802.11ac**
- Includes a 2.4GHz/5GHz dual-band 2T2R antenna



* Actual speeds may vary
 ** The Wi-Fi standard of 802.11ac will be restricted by countries' regulations.
 *** 802.11ac Wi-Fi module is available on selected models

**▶ 3. NFC EXPRESS
 One-tap gets your PC going**

Using Near Field Communication technology (NFC) for instant device pairing, ASUS NFC EXPRESS is an external accessory box providing several convenient remote access functions, activated by tapping NFC-supported devices or the included tag.

- Photo Express: Cable-free transfer of photos and videos from your NFC-supporting smart devices to your PC and intelligently backup added files since last sync
- Remote Desktop: Works with NFC-compatible smart devices to enable Wi-Fi GO! Remote Desktop with no additional settings needed
- Quick Launch: Quick launch apps, games, and web sites
- Windows 8 Login: Tap to log into Windows 8 with no password required

*NFC EXPRESS is bundled with Z87-DELUXE/DUAL and also sold separately.



NFC-supported Smart devices



ASUS NFC Tag

Extra bonus:
Two extra
USB 3.0 ports

World's 1st dual Thunderbolt™-certified Z87 motherboard

ASUS is the first to market with Intel® Thunderbolt™-certified Z87 motherboards, helping revolutionize display and accessory data speeds. Featuring a maximum bi-directional speed of 10 Gbps, Thunderbolt™ is 2 times faster than USB 3.0 and an incredible 20 times faster than USB 2.0.



Dual Thunderbolt™ ports support



Single Thunderbolt port support

**Extra-Smart Board Layout
 Outperforms the Form Factor**

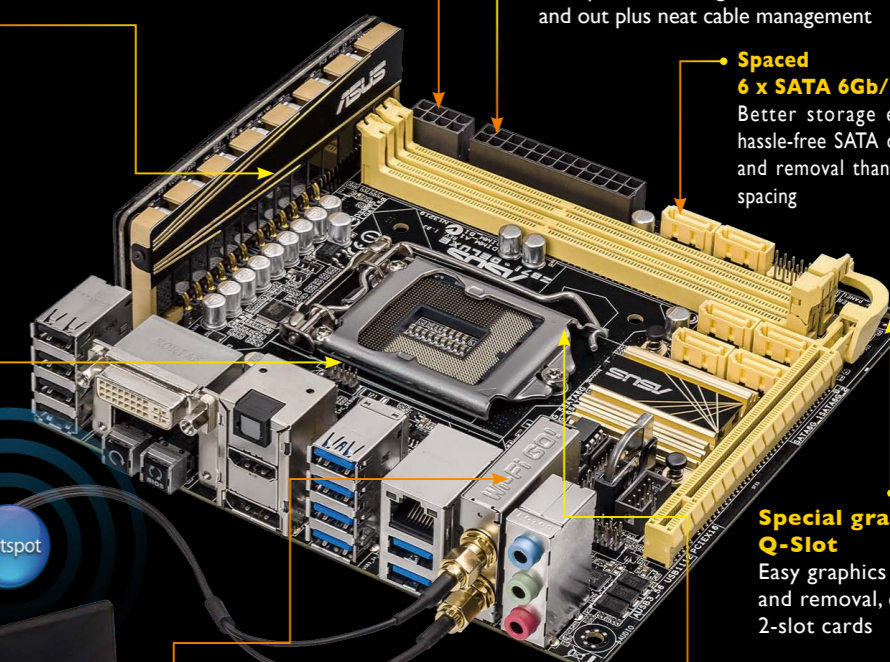
**ASUS Z87I-PRO
 Motherboard**

Vertical 12+2 DIGI+ VRM delivers full scale power
 Placed on the edge of the PCB, clever space-saving engineering allows augmented digital power with more voltage regulators in a limited space to unleash full-size performance potential

4 x fan headers with Fan Xpert 2
 Water cooling-ready and enables 4-pin and 3-pin CPU fan control. The Fan Xpert 2 utility provides the most comprehensive controls for the perfect cool and quiet balance

Easy-access board-edge power connectors
 Grouped on the edge of the board for easy plug in and out plus neat cable management

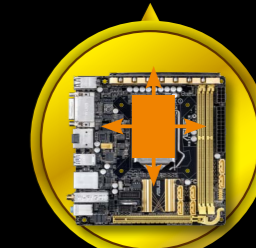
Spaced 6 x SATA 6Gb/s ports
 Better storage expansion and hassle-free SATA device insertion and removal thanks to adequate spacing



Special graphics card Q-Slot
 Easy graphics card install and removal, even of large 2-slot cards

Space for bigger CPU coolers
 CPU socket location provides ample clearance from the graphics card, so larger and more powerful coolers can be installed

Space-saving vertical 802.11a/b/g/n Wi-Fi GO! module
 • Bundled with a 2.4GHz/5GHz dual-band 2T2R antenna
 • First integration of Wi-Fi hardware and great connectivity features makes enjoying home entertainment and remotely controlling your PC easier than ever!



ASUS 8 Series Motherboards Guard your PC with

5X PROTECTION

- DIGI VRM**
Stable Power Control
- FUSE**
Overcurrent Protection
- ESD Guards**
- 5K hrs**
High-Quality Solid Caps
- Stainless Steel Back I/O**

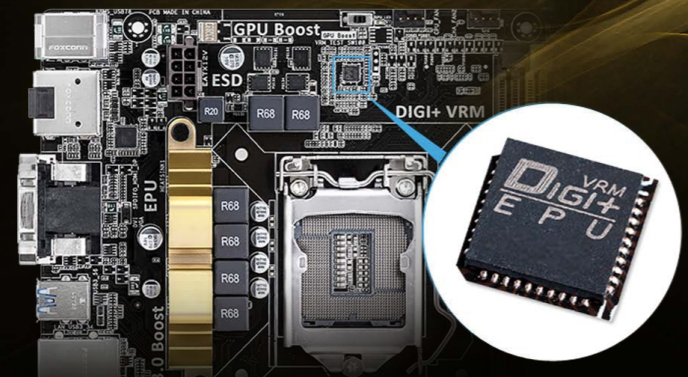


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DIGI+ VRM

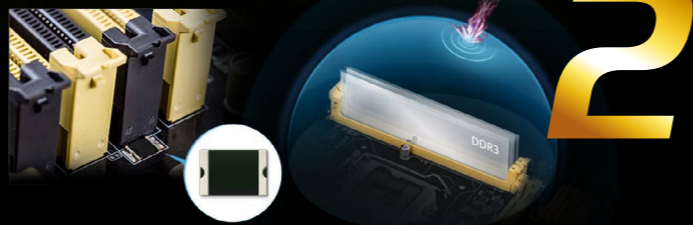
Precise power control and long-lasting stability

Quality voltage regulator modules (VRMs) deliver precise CPU power on demand. ASUS was first with a digital power design, featuring faster sensing and response, which improves system stability thanks to more consistent power delivery.



Enhanced DRAM Overcurrent Protection

Short-circuit damage prevention
Onboard resettable fuses prevent overcurrent and short-circuit damage. This extends beyond I/O ports to DRAM to safeguard system and device lifespan.



3

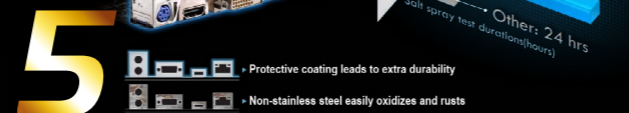
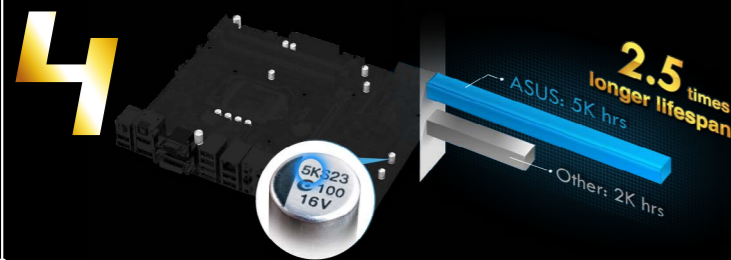
ESD Guards

Strong ESD protection for extended component lifespan

Offer active protection to ensure that electrostatic discharges are properly grounded to keep components safe, providing prolonged component longevity.

High-Quality 5K-Hour Solid State Capacitors

2.5X longer lifespan with excellent durability
ASUS 5,000-hour solid state capacitors last 2.5 times longer than traditional capacitors. They pass strict testing and meet the highest standards to enhance durability and thermal capacity.



5

Stainless Steel Back I/O

3X more durable corrosion-resistant coating
ASUS uses strong and corrosion-resistant stainless steel to make I/O panels, which pass 72-hour salt spray endurance tests and have a usage life three times longer compared to ordinary panels.



THE ULTIMATE FORCE

TUF Z87 motherboard gives you FORTIFIED STABILITY



TUF /tʌf/, stands for The Ultimate Force.

The TUF series delivers a "tough" image, with the unique design & high quality components (military-standard). Besides ATX SABERTOOTH Z87 with tactical armor and fortified reliability, TUF also introduces mATX solution – GRYPHON Z87. It's micro size but server-grade tested. For who wants a board that lasts long and unleashes your personal creative force, don't hesitate, join TUF now!

1. TUF Fortifier

Bolsters boards against bending damage

Adds a strong backplate so the board doesn't buckle under the weight of heavy components. Reduced PCB bowing and bending prevents damaged circuitry. Plus it fits perfectly on PCB convection holes and includes a heatsink thermal pad.



2. Thermal Armor with Flow Valve

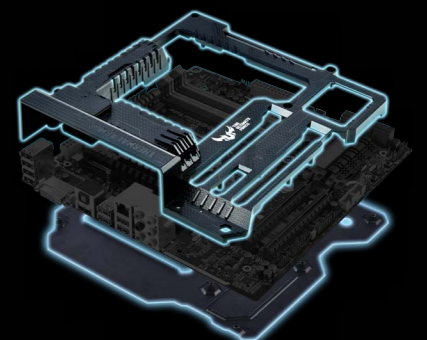
Total airflow-boosting heat dissipation

Covers the entire board and features dual fans to direct cool air to critical parts and dissipate heat faster for better stability. Exclusive flow valve design controls heatpipe air contact, better-utilizing liquid cooling setups.

3. GRYPHON ARMOR KIT

Gear up your TUF

Armor Kit upgrades your GRYPHON with Thermal Armor - for greater cooling and modding freedom, Dust Defenders - for extended longevity and stability, and TUF Fortifier - for endurance and reliability. So get started on your own TUF build now!



Craving the best of Z87?

Once more ROG gives us the sexy red and black look we've come to know so well. With Z87, the aggressive brand styling is fully intact, and brings with it some of the best board design to date. Not a surprise considering ROG has industry-leading research and development. Every ROG Z87 board offers impeccable layout, spacing, and circuit logic. They all use premium components to ensure gaming and overclocking quality, and are loaded with ROG-only features to make experiences better. Read on and see how these three ROG Z87 boards are ready to reshape your game.

MAXIMUS VI EXTREME OVERCLOCKING MOTHERBOARD

1. OC Panel

A real-time monitoring and tweaking console with a 2.6" display that can be placed in the case to work in Normal Mode for daily PC gaming and one-click instant CPU Level Up. ROG also designed it so it can be used as an external console for Extreme Mode, allowing deep tuning and integrating a multitude of overclocker-appreciated hardware-level tuning features. You hold the power – this time very literally!

Normal Mode inside your PC case



Extreme Mode as external tweaking console



2. Extreme Engine Digi+ III

Completely digital architecture supplies the highest stability and precision CPU/memory power even under the most extreme conditions. 60A BlackWing chokes, 10K Black Metallic capacitors, and 90% more efficient NexFET MOSFETs achieve higher precision, less heat, greater efficiency, and longer board lifespan.

[AVAILABLE ON EVERY ROG Z87 BOARD]



3. mPCIe Combo II with 802.11ac/Bluetooth 4.0

Easy to install and gives you M.2 (NGFF) expansion plus mini PCIe 2.0 with 802.11ac Wi-Fi, which is up to 3X faster than 802.11n. You also have Bluetooth 4.0 for even more connectivity.

[ALSO AVAILABLE ON MAXIMUS VI GENE]

4. Massive Connectivity

4-way SLI™/ CrossFireX™, 10 SATA, 8 USB 3.0, 8 4-pin fan headers, and more!

ROG is your choice

MAXIMUS VI HERO and MAXIMUS VI GENE



1. SupremeFX

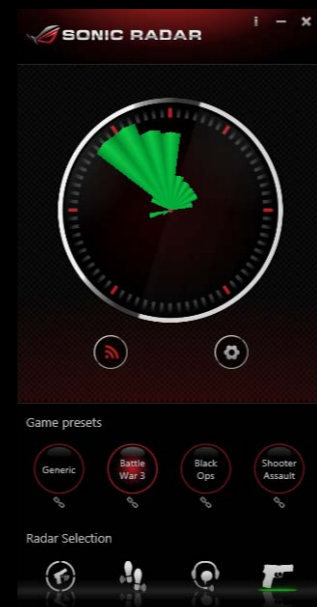
World's first red-line PCB shielding with EMI cover protects against interference, plus Japan-made premium ELNA capacitors ensure warm natural sound, providing up to 115dB SNR crystal-clear audio.



Red-line shielding with 115dB SNR

2. Sonic Radar

Stealthy overlay that shows you what opponents and teammates are up to. Gunshots, footsteps, and call-outs appear with precise directioning on the on-screen radar, which gives you the advantage of better intelligence and avoiding sneaky opponent surprises.



In-game overlay detection



3. Intel® Ethernet + GameFirst II

Featuring gamer-coveted Intel® Ethernet and an upgraded version of the award-winning GameFirst II bandwidth optimization utility for the best network throughput.

"Joining ROG now more accessible!"

Check the below table for ROG Z87 motherboard features!

MAXIMUS VI	Extreme Engine Digi+III	OC Panel	mPCIe Combo II with 802.11ac/Bluetooth 4.0	Intel® Ethernet	SupremeFX	Sonic Radar
EXTREME	✓	✓	✓	✓	✓	✓
HERO	✓	✓	✓	✓	✓	✓
GENE	✓	✓	✓	✓	✓	✓

