RT-AC68U Dual-band Wireless-AC1900 Router

World's Fastest – For Those Who Run Ahead

Wireless Router 2013

A trademark of Ziff Davis, Inc. Used under license



33% Faster Speed

Super-charged by Broadcom® TurboQAM™ technology

150% Wider Range

Ultra wide for large homes and multi-floor locations via AiRadar

30-Sec Setup

3 easy steps to set up your router with ASUSWRT

AiCloud

Sync, Share, Stream. Your world on demand

* Actual performance may vary by ISP, specific connection type, location, and other factors * For more information, please visit ASUS.com

About ASUS

ASUS is a worldwide top-three consumer notebook vendor and makes the best motherboards in the world. ASUS designs and manufactures a diverse range of products that perfectly meet today's digital needs, including desktop PCs, displays, graphics cards, netbooks, networking devices, servers, smartphones and tablets. Driven by innovation and a commitment to quality, ASUS revolutionized the PC industry with its Eee PC™ and its products won 4,168 awards in 2012. ASUS has more than 12,500 employees around the world and a leading R&D team with over 3,800 engineers. Company revenue for 2012 was approximately US$14 billion.

ASUS® IN SEARCH OF INCREDIBLE

www.asus.com

ASUS® IN SEARCH OF INCREDIBLE

ASUS PRODUCT GUIDE 2014



RAMPAGE IV BLACK EDITION

ASSEMBLE THE BEST, BREAK ALL LIMITS

Dual GPU. Ultimate Performance.	802.11ac Dual-Band Wireless-AC1200 Gigabit Router	Beauty Beyond Boundaries
		
MARS760-4GD5_3D	RT-AC56U	MX279H

The World's Best Selling and Most Award Winning Motherboards

ASUS - TOP1 Motherboard Brand in the World

ASUS had shipped **420,000,000** motherboards since 1989. One in every 3 PCs sold worldwide in 2010 was equipped with an ASUS motherboard inside. The mainboard is the key to the quality and reliability of the notebook PC, so you can be sure that ASUS has the best quality & reliability notebooks.

TOM'S HARDWARE GUIDE
Reader's Choice Award

ASUS is a Top Information Technology Company in the World

ASUS is ranked TOP 10 in the Consumer Electronics category of "The world's Most Innovative Companies 2010" by Fast Company, a media publication that tracks the pulse of the web and tech industry.

ASUS is No.1 in Quality & Service

ASUS strives for perfection in all of our products and we consistently win awards for quality and innovation. This is reflected in the No.1 rank we have attained for product quality and services from the Wall Street Journal Asia.

ASUS Green Technology

ASUS continues to lead the industry in the adoption of greener technology, and is the first in the world to achieve EU Flower Eco Certification for computers and EuP Certification for portable notebooks.

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			DISPLAY MONITOR LINE UP

MALAYSIA ASUS ROYAL CLUB

KUALA LUMPUR
ASUS ROYAL CLUB (RCSWAP)
T1-4 & T1-5, IT @ SPS, First Floor,
Wisma SPS,
Jalan Imbi, 55100 Kuala Lumpur.
Tel: 03 7724 3495

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ASUS ROYAL CLUB (RCPG)
1-02-05, E-Gate, Lebuh
Tunku Kudin 2,
11700 Gelugor Penang.
Tel: 04 659 6780 / 6782

KUCHING
ASUS ROYAL CLUB (RCKCH)
Unit 4.4, Level 4, Lot 14665,
OneTJ-Shopping Complex,
Jalan Stutong, 93350 Kuching, Sawarak
Tel: 082 457 612

KOTA KINABALU
ASUS ROYAL CLUB (RCKK)
Lot 3.04, Tingkat 3, Block C Kompleks
Karamunsing
Jalan Tunku Abdul Rahman 88000
Kota Kinabalu, Sabah
Tel: 088 210 650

Operating Hours : KL 9am - 6:30pm PENANG / KUCHING / KOTA KINABALU 10am - 7:30pm

ASUS received 4,256 Awards in 2012

The ongoing ASUS search for perfection delivers incredible products. Our commitment to performance innovation, and quality are recognized by worldwide media, as we received 4168 major awards in 2012

iF Design Awards

ASUS products have won numerous international industrial design awards and have once again demonstrated their outstanding design quality and innovation by taking home no less than 10 accolades at the iF Design Awards 2012

Innovations International CES Awards

Six ASUS products have been selected for the CES 2012 Innovations Design and Engineering Awards honoree program. The awards have become a hallmark for the best-designed products in innovation
• Persistent perfection has resulted in such wide recognition for our products.

August - 2013
CHIP Magazine
Maximus VI Extreme

Putting the "E" in Extreme
….not only do you get a device that not only shows you a glimpse of numbers of your internals, but also functions as a one-push overclocking mechanism that makes an overclocker's life easier.

September - 2013
CHIP Magazine
Maximus VI Formula

Formula For A Powerful Gaming Machine
Performance wise, with the right setup,the Formula blows the competition out of the water. We were able to overclock our i7-4770k processor to 4.0GHz from 3.5 on air,and with a watercooling system in place, we're sure the numbers can go up even further.

July - 2013
HWM Magazine
Z87 Expert

Expertly Crafted
ASUS Z87-Expert is really an impressive motherboard. Coupled with a Thunderbolt port and 4-way Optimization technology,many users will find it to be a really solid choice when looking for a Z87 platform.

October - 2013
HWM Magazine
X79-Deluxe

Extremely Solid Platform
In summary, the ASUS X79 Deluxe Is a very impressive motherboard that has all the bells and whistles you may want or need.

July - 2013
PC.Com Magazine
Maximus VI Hero

The Heroic One
Since it's a gamer's board,as expected, it is designed for users who want to have the choice of using a Sli or CrossfireX setup.

October - 2013
PC.Com Magazine
Maximus VI Gene

Less Packed but still Awesome
The spacing area around the processor slot is quite large as It is specifically designed for those who want to use a big third-party cooler.

September - 2013
HWM Magazine
MX239

Frameless Beauty
A very capable IPS monitor,the MX239 has rich colors and strong contrast capabilities.

October - 2013
CHIP Magazine
MX279

Pretty To Look At, Beautiful To Watch
The ASUS MX279 is a large PC monitor with some excellent features that make it excellent to look at and view.

July - 2013
PC.COM Magazine
HD7790 DirectCU II OC

Worthy Contender
The DirectCU II cooling system used in this card is uniquely ASUS as it gives the card a lower operating temperature than with some other manufacturers.

October - 2013
HWM Magazine
GTX 780 DirectCU II OC

When You Think It Can't Get Any Better
The DirectCU cooler provides the majority of the weight as well as the size of the GTX780,with two large fans being used to draw heat away from the chipset.

August - 2013
CHIP Magazine
GTX 770 DirectCU II

The Direct CUII Route
The ASUS GTX 770 is a great card to consider if you're looking to upgrade from a GTX500 series card, but not willing to part with the kind of money that's required to buy a GTX Titan or a GTX 780.

September - 2013
PC.Com Magazine
GTX 760 DirectCU II OC

Best Mid-Ranger
The card rendered Grid 2 graphic test with ease,maintaining 70 to 80FPS on average while set to maximum performance.

July - 2013
HWM Magazine
RT-AC66U

Good Things Come In Threes
We are pleased with the performance of the ASUS RT-AC66U and the Wi-Fi receivers, which offer fast,efficient and realiable connections.

October - 2013
PC.Com Magazine
WL-330NUL

It's a What?
…this is probably best used in a hotel room. Plug it into the hotel Ethernet cable and you've set up a better WiFi connection for yourself. Pretty clever concept.

October - 2013
PC.Com Magazine
RP-N53

Now Everyone Can Wi-Fi
The ASUS RP-N53 offers a wide variety of usage options when it comes to extending the range of your WiFi signal, support for dual band frequencies and ease of use.

* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers.
Products/features may not be available in all markets. Refer to www.asus.com for more information.

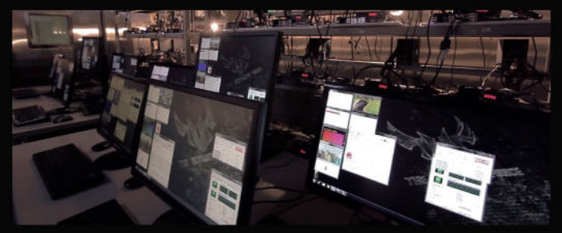




Community-appreciated design
World-famous for quality since 1989 and winner of over 1,000 media awards in 2012, we focus on functionality and features from inception to inside your case that enable PC builds you'll enjoy for years.



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



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.



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, offering a 3-year warranty across its entire motherboard range and a 5-year warranty for its TUF Series motherboards with military-grade components. A complete support network is always on hand to respond to all your questions and needs.
*May vary by location. Check with local retailers or ASUS representatives for specific details.

New UEFI BIOS
Friendlier and more intuitive
Media-renowned UEFI BIOS from ASUS provides the smoothest mouse-controlled graphical BIOS, and now features more intuitive functions to quickly take you to favorite BIOS pages and frequently-accessed settings through custom shortcuts.

You can even write quick notes in-BIOS for future reference, view an activity log of setting changes and modifications, and rename SATA ports. EZ Mode has a whole new look, upgraded with extra-friendly capabilities like detailed fan controls, XMP profile settings, SATA information, and fast clock adjustment. Together, these perfect your BIOS experience.



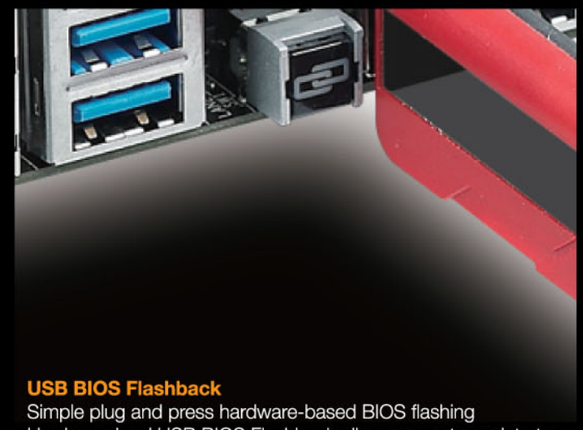


AI Suite 3
One-stop access to innovative ASUS features
ASUS AI Suite 3 offers a brand new user experience through a clearer and more attractive interface with support for larger monitors. It consolidates all exclusive ASUS features into one simple-to-use package, allowing you to supervise overclocking, energy consumption, fan speeds, voltages and more. This all-in-one app offers diverse and easy to use functionality, with no need to switch back and forth between different utilities.

Windows 8.1 Ready
Early readiness means a better experience for you
ASUS and Microsoft worked closely on Windows 8.1 compatibility to ensure that you enjoy a smooth experience with our motherboards. ASUS innovation has resulted in some brilliant features tailored just for Windows 8.1 including Probe II Sense, Fast Boot, DirectKey and ASUS Boot Setting – so you get the maximum benefit from the new operating system's capabilities!

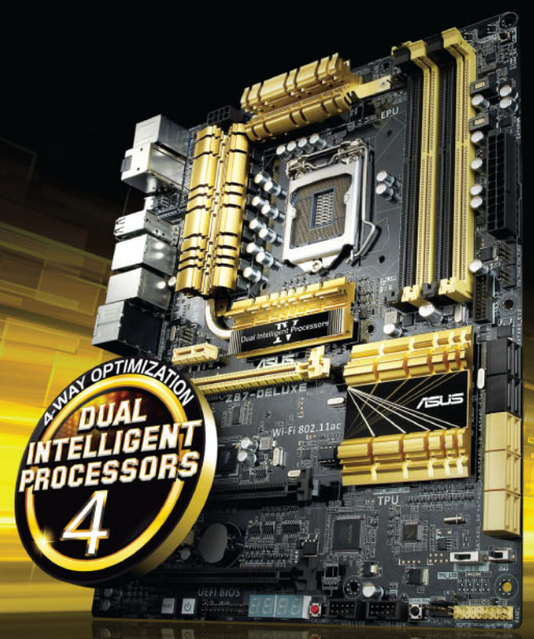


Fan Xpert 2
The most customizable fan controls, ever
Seeing an opportunity for more fine-tuned control, hardware-level ASUS Fan Xpert 2 literally blows away the competition to provide the best comprehensive settings to achieve the perfect balance of cooling performance and low noise



USB BIOS Flashback
Simple plug and press hardware-based BIOS flashing
Hardware-level USB BIOS Flashback allows users to update to new UEFI BIOS versions even without a CPU or DRAM installed. Just plug in a USB flash drive containing the BIOS file and press the BIOS Flashback button for 3 seconds with the power supply connected. Hassle-free updating for ultimate convenience!

* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers. Products/features may not be available in all markets. Refer to www.asus.com for more information.



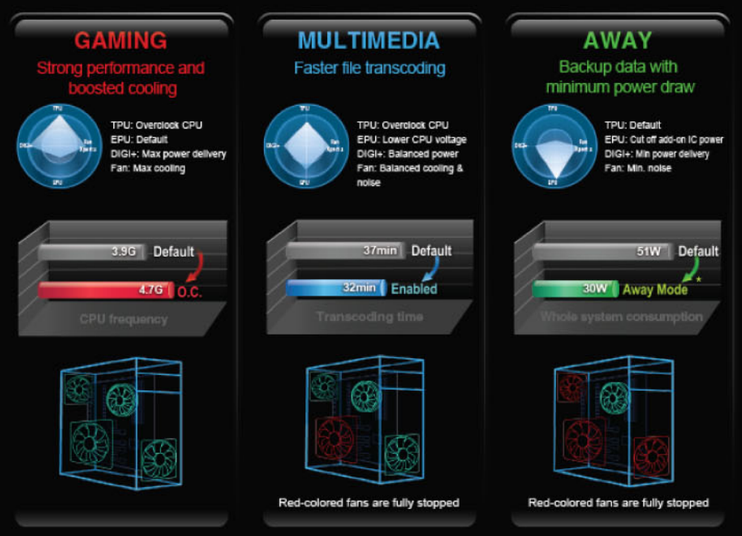
Z87 Series Motherboards

ONE CLICK, 4-WAY OPTIMIZATION

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





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.

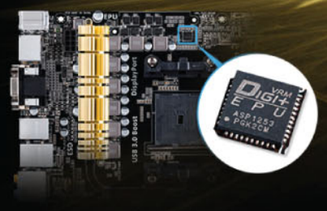
*Manual setting in Away Mode
*Testing configuration:
Gaming - Intel LGA1150 i7-4770K | Z87-DELUXE | G.Skill DDR3-2400 4GB x 2
Multimedia & Away - Intel LGA1150 i7-4770K | Z87-DELUXE | PATRIOT DDR3-1600 4GB x 2 | Corsair CCSD-F120GB3-BK 120GB

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





1

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.

2

Enhanced DRAM Overcurrent Protection

Short-circuit damage prevention

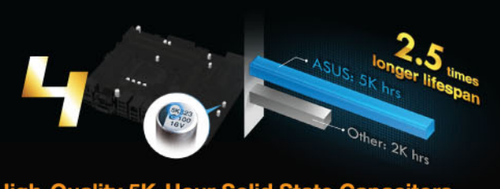
Onboard resettable fuses prevent overcurrent and short-circuit damage. This extends beyond I/O ports to DRAM to safeguard system and device lifespan.



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.



4

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.



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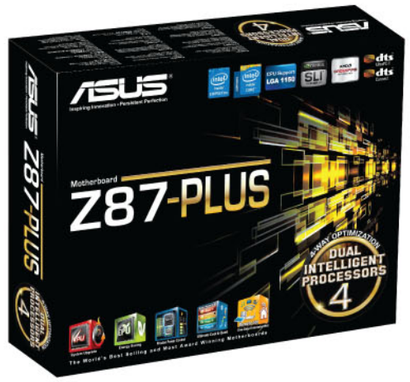
X79-DELUXE

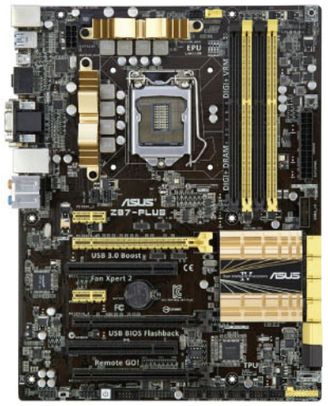
One-click optimization delivers optimum performance on Intel® X79 platform

- Dual Intelligent Processors 4 with 4-Way Optimization
- 4-Way Optimization - One Click and Done! Top-up Performance, Efficiency, Digital Power, and System Cooling
- Wi-Fi GO! - Connect Your Life – The Perfect Fusion of Desktop, Smartphones and Pads
- ASUS SSD Caching II - Multiple SSD Caching, Instant Upgraded Speed

Intel® Socket 2011 Core™ i7 Extreme Edition/Core™ i7 Processors
Supports Intel® Turbo Boost Technology 2.0
Intel® X79
8 x DIMM, Max. 64GB, DDR3 2800(O.C.)
NVIDIA® 3-Way SLI™, AMD Quad-GPU CrossFireX™
3 x PCIe 3.0/2.0 x16
2 x SATA 6Gb/s , 4 x SATA 3Gb/s
12 x USB 2.0/1.1, 8 x USB 3.0/2.0

DEC-2013 OCT-2013 NOV-2013







Z87-PLUS

Perfect one-stop system optimization and convenient remote control functions on Intel® Z87

- Dual Intelligent Processors 4 with 4-Way Optimization
- 4-Way Optimization - One Click and Done! Top-up Performance, Efficiency, Digital Power, and System Cooling
- Remote GO! - Wireless Media Streaming and Remote Desktop Made Easy
- Fan Xpert 2 - The Most Customizable Fan Controls

Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 3000(O.C.)
NVIDIA® Quad-GPU SLI™ , AMD Quad-GPU CrossFireX™
2 x PCIe 3.0/2.0 x16 (x16 or dual x8)
6 x SATA 6Gb/s , 2 x SATA 6Gb/s
4 x USB 3.0/2.0 , 8 x USB 2.0/1.1



Z87-DELUXE

Perfect one-stop system optimization and enhanced 802.11ac Wi-Fi control on Intel® Z87

- Dual Intelligent Processors 4 with 4-Way Optimization
- 4-Way Optimization - One Click and Done! Top-up Performance, Efficiency, Digital Power, and System Cooling
- Wi-Fi GO! - Connect Your Life – The Perfect Fusion of Desktop, Smartphones and Pads
- Fan Xpert 2 - The Most Customizable Fan Controls



Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 3000(O.C.)
Multi-VGA output support : HDMI/DisplayPort 1.2 /Mini DisplayPort ports
Supports up to 3 displays simultaneously
NVIDIA® Quad-GPU SLI™, AMD Quad-GPU CrossFireX™ Technology
AMD 3-Way CrossFireX™ Technology
2 x PCIe 3.0/2.0 x16
6 x SATA 6Gb/s



Z87I-PRO

Mini-ITX Z87 powerhouse delivers full-size performance with 12+2 DIGI+ VRM and superfast 802.11n Wi-Fi

- Vertical 12+2 DIGI+ VRM delivers full scale power
- Space-saving vertical 802.11a/b/g/n Wi-Fi GO! module
- 4 x fan headers with Fan Xpert 2 and spaced 6 x SATA 6Gb/s ports
- Easy-access power connectors, customized graphics card Q-Slot, and space for bigger CPU coolers



Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
2 x DIMM, Max. 16GB, DDR3 3000(O.C.)
Multi-VGA output support : HDMI/DVI-I/DisplayPort 1.2 ports
1 x PCIe 3.0/2.0 x16
6 x SATA 6Gb/s
6 x USB 3.0/2.0



Z87-A

Get a performance boost with precise digital power delivery and convenient remote PC control on Intel® Z87

- Dual Intelligent Processors 2 with DIGI+ VRM
- Remote GO! - One-stop PC Remote Control and Home Entertainment
- Fan Xpert 2 - The Most Customizable Fan Controls
- USB 3.0 Boost - Faster USB 3.0 with UASP in Windows 8



Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 3000(O.C.)
Multi-VGA output support : HDMI/DVI-D/RGB/DisplayPort 1.2 ports
NVIDIA® Quad-GPU SLI™ , AMD Quad-GPU CrossFireX™
2 x PCIe 3.0/2.0 x16 (x16 or dual x8)
6 x SATA 6Gb/s
6 x USB 3.0/2.0 , 8 x USB 2.0/1.1



Z87-K

Affordable Z87 choice features great performance potential and high-endurance 5X Protection

- ASUS 5X Protection - All-round protection provides the best quality, reliability, and durability
- New UEFI BIOS – Friendlier, easier, and more intuitive with helpful info added
- Fan Xpert 2 - Comprehensive controls for the perfect cool and quiet balance
- USB 3.0 Boost (UASP Support) - 170% faster transfer speeds than traditional USB 3.0
- Ai Suite 3 - One-stop access to innovative ASUS features



Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 2933(O.C.)
Multi-VGA output support : HDMI/DVI/RGB ports
1 x PCIe 3.0/2.0 x16
6 x SATA 6Gb/s
4 x USB 3.0/2.0 , 10 x USB 2.0



Z87-EXPERT

Thunderbolt™-certified Z87 motherboard with perfectly-tuned system optimization and enhanced Wi-Fi control

- Dual Intelligent Processors 4 with 4-Way Optimization
- 4-Way Optimization - One Click and Done! Top-up Performance, Efficiency, Digital Power, and System Cooling
- Thunderbolt Technology Onboard- Blistering-fast Data Transfers
- Wi-Fi GO! - Connect Your Life – The Perfect Fusion of Desktop, Smartphones and Pads
- Fan Xpert 2 - The Most Customizable Fan Controls



Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 3000(O.C.)
Multi-VGA output support : HDMI/DisplayPort 1.2 /Mini DisplayPort ports
Supports up to 3 displays simultaneously
NVIDIA® Quad-GPU SLI™, AMD Quad-GPU CrossFireX™ Technology
AMD 3-Way CrossFireX™ Technology
2 x PCIe 3.0/2.0 x16
6 x SATA 6Gb/s

CHIP Editors' Choice DEC-2013



Z87-PRO

Perfect one-stop system optimization and enhanced Wi-Fi control on Intel® Z87

- Dual Intelligent Processors 4 with 4-Way Optimization
- 4-Way Optimization - One Click and Done! Top-up Performance, Efficiency, Digital Power, and System Cooling
- Wi-Fi GO! - Connect Your Life – The Perfect Fusion of Desktop, Smartphones and Pads
- Fan Xpert 2 - The Most Customizable Fan Controls



Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
Multi-VGA output support : HDMI/DVI-D/RGB/
2 x PCIe 3.0/2.0 x16 (x16 or dual x8)
6 x SATA 6Gb/s

Jul -2013



Z87M-PLUS

Micro-ATX Z87 features great performance potential and high-endurance 5X Protection

- ASUS 5X Protection - All-round protection provides the best quality, reliability, and durability
- USB BIOS Flashback - Simple plug and press hardware-based BIOS flashing
- Fan Xpert 2 - Comprehensive controls for the perfect cool and quiet balance
- USB 3.0 Boost (UASP Support) - 170% faster transfer speeds than traditional USB 3.0
- New UEFI BIOS – Friendlier, easier, and more intuitive with helpful info added



Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 2933(O.C.)
Multi-VGA output support : HDMI/DVI-D/RGB ports
Supports AMD Quad-CrossFireX™
1 x PCIe 3.0/2.0 x16
6 x SATA 6Gb/s
6 x USB 3.0/2.0 , 8 x USB 2.0/1.1



H87-PRO

Feature-loaded ATX H87 features high-endurance 5X Protection and new UEFI BIOS

- ASUS 5X Protection - All-round protection provides the best quality, reliability, and durability
- USB BIOS Flashback - Simple plug and press hardware-based BIOS flashing
- Fan Xpert 2 - Comprehensive controls for the perfect cool and quiet balance
- USB 3.0 Boost (UASP Support) - 170% faster transfer speeds than traditional USB 3.0
- New UEFI BIOS – Friendlier, easier, and more intuitive with helpful info added



Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® H87
4 x DIMM, Max. 32GB, DDR3 1600
Multi-VGA output support : HDMI/DVI/RGB/DisplayPort ports
1 x PCIe 3.0/2.0 x16
6 x USB 3.0/2.0 , 8 x USB 2.0/1.1

SEP -2013

* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers. Products/features may not be available in all markets. Refer to www.asus.com for more information.







H87-PLUS

Ultimate H87 features high-endurance 5X Protection and new UEFI BIOS

- ASUS 5X Protection - All-round protection provides the best quality, reliability, and durability
- New UEFI BIOS – Friendlier, easier, and more intuitive with helpful info added
- Fan Xpert 2 - Comprehensive controls for the perfect cool and quiet balance
- USB 3.0 Boost (UASP Support) - 170% faster transfer speeds than traditional USB 3.0
- Ai Suite 3 - One-stop access to innovative ASUS features

Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron®
Intel® H87
4 x DIMM, Max. 32GB, DDR3 1600
Multi-VGA output support : HDMI/DVI-D/RGB ports
AMD Quad-GPU CrossFireX™
1 x PCIe 3.0/2.0 x16
6 x SATA 6Gb/s
4 x USB 3.0/2.0 , 10 x USB 2.0/1.1



H87M-PLUS

Micro-ATX H87 features high-endurance 5X Protection and new UEFI BIOS

- ASUS 5X Protection - All-round protection provides the best quality, reliability, and durability
- New UEFI BIOS – Friendlier, easier, and more intuitive with helpful info added
- Fan Xpert 2 - Comprehensive controls for the perfect cool and quiet balance
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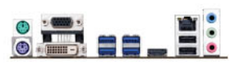
Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® H87
4 x DIMM, Max. 32GB, DDR3 1600
Multi-VGA output support : HDMI/DVI/RGB ports
AMD Quad-GPU CrossFireX™
1 x PCIe 3.0/2.0 x16
6 x SATA 6Gb/s
6 x USB 3.0/2.0 , 8 x USB 2.0/1.1



H87M-E

Micro-ATX H87 features high-endurance 5X Protection and new UEFI BIOS

- ASUS 5X Protection - All-round protection provides the best quality, reliability, and durability
- New UEFI BIOS – Friendlier, easier, and more intuitive with helpful info added
- Fan Xpert 2 - Comprehensive controls for the perfect cool and quiet balance
- USB 3.0 Boost (UASP Support) - 170% faster transfer speeds than traditional USB 3.0
- Network iControl - Real-time network bandwidth management



Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® H87
4 x DIMM, Max. 32GB, DDR3 1600
Multi-VGA output support : HDMI/DVI-D/RGB ports
1 x PCIe 3.0/2.0 x16
6 x SATA 6Gb/s
6 x USB 3.0/2.0 , 8 x USB 2.0/1.1



H87I-PLUS

Ideal mini-ITX H87-based home theater choice delivers 4K entertainment and remote control capabilities

- ASUS 5X Protection: All-round protection provides the best quality, reliability, and durability
- New UEFI BIOS and EZ Mode:Friendlier, easier, and more intuitive with helpful info added
- USB 3.0 BOOST (UASP Support): 170% faster transfer speeds than traditional USB 3.0
- Remote GO!:One-stop PC remote control and home entertainment
- Network iControl: Real-time network bandwidth management
- AI Suite 3: One-stop access to innovative ASUS features

Intel® Socket 1150 for 4th Generation Core™ i7/Core™ \ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® H87
2 x U-DIMM, Max. 16GB, DDR3 1600
Integrated Graphics Processor Support HDMI / DVI / RGB
1 x PCIe 3.0/2.0 x16
6 x SATA 6Gb/s
6 x USB 3.0 , 8 x USB 2.0/1.1



B85M-E / B85M-G

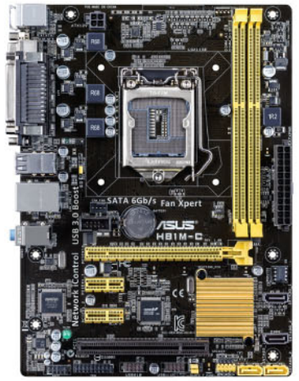
Micro-ATX B85 features new UEFI BIOS and detailed cooling controls

- New UEFI BIOS and EZ Mode: Friendlier, easier, and more intuitive with helpful info added
- USB 3.0 BOOST (UASP Support): 170% faster transfer speeds than traditional USB 3.0
- Network iControl: Real-time network bandwidth management
- Fan Xpert 2: Comprehensive controls for the perfect cool and quiet balance
- CrashFree BIOS 3: Restore corrupted BIOS data from USB storage
- AI Suite 3: One-stop access to innovative ASUS features



B85M-E / B85M-G
Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Celeron® dual-core/Pentium®/Celeron® Processors
Intel® B85
4 x DIMM, Max. 32GB, DDR3 1600
Multi-VGA output support : HDMI/DVI-D/RGB/DisplayPort ports
AMD Quad-GPU CrossFireX™
1 x PCIe 3.0/2.0 x16
2 x SATA 3Gb/s , 4 x SATA 6Gb/s
4 x SATA 6Gb/s , 2 x SATA 3Gb/s
4 x USB 3.0 , 8 x USB 2.0







H81M-C

Micro-ATX H81 features new UEFI BIOS and dedicated fan controls to fulfill everyday productivity

- New UEFI BIOS and EZ Mode: Friendlier, easier, and more intuitive with helpful info added
- USB 3.0 BOOST (UASP Support): 170% faster transfer speeds than traditional USB 3.0
- Network iControl: Real-time network bandwidth management
- CrashFree BIOS 3: Restore corrupted BIOS data from USB storage
- AI Suite 3: One-stop access to innovative ASUS features

Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® H81
2 x DIMM, Max. 16GB, DDR3 1600
Multi-VGA output support : DVI-D/RGB ports
1 x PCIe 2.0 x16
2 x SATA 3Gb/s , 2 x SATA 6Gb/s
2 x USB 3.0 , 8 x USB 2.0



H61M-C

GIntuitive UEFI BIOS and easy network controls on H61 platform

- UEFI BIOS - Flexible & Easy BIOS Interface
- Network iControl - Regulate Network Bandwidth Real-time
- Anti-Surge - Full-time Power Guardian-Make System Free From Risk
- ESD Protection - Protect Your Computer with ESD Guards
- AI Suite II - One-stop Access to Innovative ASUS Features



IIntel® Socket 1155 for 3rd/2nd Generation Pentium®/Celeron® Processors
Intel® H61
2 x DIMM, Max. 16GB, DDR3 2200(O.C.)
Integrated Graphics Processor Supports RGB with max. resolution 2048 x 1536 @ 75 Hz
1 x PCIe 3.0/2.0 x16
4 x SATA 3Gb/s
10 x USB 2.0



M5A99X EVO R 2.0

CPU and DRAM Digital Power Design for a 100% Performance Boost on AMD 990X with Windows 8 Support

- Dual Intelligent Processors 3 with New DIGI+ Power Control - Full Hardware Control. Total Performance Tuning.
- Remote GO! - One-stop PC Remote Control and Home Entertainment
- USB 3.0 Boost - Faster USB 3.0 Transmission with UASP
- Network iControl - Real-time Network Bandwidth Control
- DirectKey - A Dedicated Button to Access the BIOS Directly
- USB BIOS Flashback - Easy, Worry-free USB BIOS Flashback with Hardware-based Design
- UEFI BIOS - Flexible & Easy BIOS Interface



AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors
AMD 990X/SB950
4 x DIMM, Max. 32GB, DDR3 2133(O.C.)
NVIDIA® Quad-GPU SLI™ , AMD Quad-GPU CrossFireX™
2 x PCIe 2.0 x16 (x16 or dual x8)
6 x SATA 6Gb/s , 2 x eSATA 6Gb/s
4 x USB 3.0/2.0 , 14 x USB 2.0/1.1



M5A97 R2.0

ASUS Dual Intelligent Processors, Extreme USB 3.0 Transfer Speed, and Windows 8 on AMD 970

- Dual Intelligent Processors - TPU + EPU.
- Remote GO! - One-stop PC Remote Control and Home Entertainment
- USB 3.0 Boost - Faster USB 3.0 Transmission with UASP
- Network iControl - Real-time Network Bandwidth Control
- DirectKey - A Dedicated Button to Access the BIOS Directly
- USB BIOS Flashback - Easy, Worry-free USB BIOS Flashback with Hardware-based Design
- UEFI BIOS - Flexible & Easy BIOS Interface

AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors
AMD 970/SB950
4 x DIMM, Max. 32GB, DDR3 2133(O.C.)
AMD Quad-GPU CrossFireX™
1 x PCIe 2.0 x16
6 x SATA 6Gb/s
4 x USB 3.0/2.0 , 12 x USB 2.0/1.1



M5A78L-M LX V2

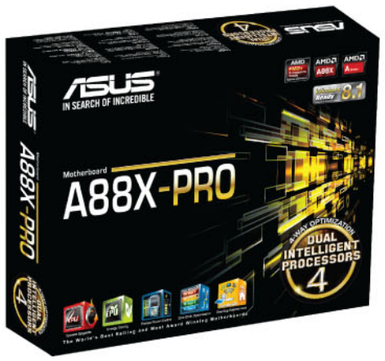
DDR3 1866(O.C.) motherboard with EPU power optimization on AM3+ platform

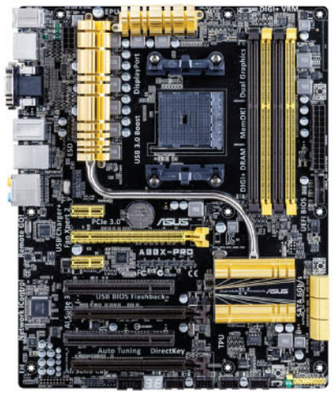
- EPU - System Level Energy Saving!
- Turbo Key - Touch-n-Boost!
- Anti-surge - Protect Your Device!
- Core Unlocker - Unleash True Core Performance Intelligently!



AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors
AMD 760G (780L)/SB710
4 x DIMM, Max. 32GB, DDR3 1600
Multi-VGA output support : HDMI/DVI/RGB/DisplayPort ports
1 x PCIe 3.0/2.0 x16
6 x USB 3.0/2.0 , 8 x USB 2.0/1.1

* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers. Products/features may not be available in all markets. Refer to www.asus.com for more information.







A88X-PRO

A88X motherboard with FM2+ Socket offers perfect one-stop system optimization and boosts integrated graphics on all APUs

- Dual Intelligent Processors 4 with 4-Way Optimization
- 4-Way Optimization - One Click and Done! Top-up Performance, Efficiency, Digital Power, and System Cooling
- GPU Boost - Unlock integrated graphics performance for up to 30% boost
- 5X PROTECTION - All-round protection provides the best quality, reliability, and durability
- New UEFI BIOS – Full-scale Performance Tuning with Intuitive BIOS Interface

AMD Socket FM2+ Athlon™/A- Series Processors
AMD A88X (Bolton D4)
4 x DIMM, Max. 64GB, DDR3 2400(O.C.)
Multi-VGA output support : HDMI/DVI/RGB/DisplayPort ports
AMD 3-Way CrossFireX™
2 x PCIe 3.0/2.0 x16
6 x SATA 6Gb/s , 2 x eSATA 6Gb/s
4 x USB 3.0, 10 x USB 2.0 , 2 x USB 3.0



A88X-PLUS

A88X motherboard with FM2+ Socket boosts integrated graphics on all APUs and features intuitive UEFI BIOS

- GPU Boost -Unlock integrated graphics performance for up to 30% boost
- ASUS 5X PROTECTION - All-round protection provides the best quality, reliability, and durability
- New UEFI BIOS – Friendlier, easier, and more intuitive with helpful info added
- USB 3.0 Boost (UASP Support) - 170% faster transfer speeds than traditional USB 3.0
- Network iControl - Real-time network bandwidth management



AMD Socket FM2+ Athlon™/A- Series Processors
AMD A88X (Bolton D4)
4 x DIMM, Max. 64GB, DDR3 2400(O.C.)
Multi-VGA output support : HDMI/DVI/RGB ports
AMD Quad-GPU CrossFireX™
1 x PCIe 3.0/2.0 x16 (x16 mode)
8 x SATA 6Gb/s
4 x USB 3.0 , 10 x USB 2.0



A88XM-A

FM2+ socketed motherboard features high-endurance 5X Protection and new UEFI BIOS on the A88X chipset

- ASUS 5X PROTECTION - All-round protection provides the best quality, reliability, and durability
- New UEFI BIOS – Friendlier, easier, and more intuitive with helpful info added
- USB 3.0 Boost (UASP Support) - 170% faster transfer speeds than traditional USB 3.0
- Network iControl - Real-time network bandwidth management



AMD Socket FM2+ Athlon™/A- Series Processors
Intel® H87
AMD A88X (Bolton D4)
4 x DIMM, Max. 64GB, DDR3 2133
Multi-VGA output support : HDMI/DVI/RGB ports
1 x PCIe 3.0/2.0 x16
6 x SATA 6Gb/s
4 x USB 3.0/2.0 , 6 x USB 2.0/1.1



A55BM-E

FM2+ socketed motherboard features high-endurance 5X Protection and new UEFI BIOS on the A55 chipset

- ASUS 5X PROTECTION - All-round protection provides the best quality, reliability, and durability
- New UEFI BIOS – Friendlier, easier, and more intuitive with helpful info added
- Ai Suite 3 - One-stop access to innovative ASUS features
- Network iControl - Real-time network bandwidth management



AMD Socket FM2+ Athlon™/A- Series Processors
AMD A55 FCH (Hudson D2)
2 x DIMM, Max. 32GB, DDR3 2133
Multi-VGA output support : DVI/RGB ports
1 x PCIe 3.0/2.0 x16
6 x SATA 3Gb/s
8 x USB 2.0/1.1

THE ULTIMATE FORCE

STAY COOL
BE TUF



TUF Z87 Series Motherboards
FORTIFIED STABILITY

HIGHLY RECOMMENDED TECHPOWERUP — For GRYPHON Z87
KITGURU MUST HAVE — For SABERTOOTH Z87
EDITOR'S CHOICE HARDWARE LAST GOLD AWARD
GOOD DESIGN
CHIP MALAYSIA Outstanding AWARD

ASUS TUF introduces two Intel® Z87-based motherboards. The ATX Sabertooth Z87 and micro-ATX Gryphon Z87 feature proprietary ASUS-developed thermal designs and military-grade capacitors, chokes, and MOSFETs to deliver the best cooling, stability and reliability.

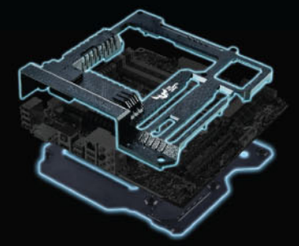


Sabertooth Z87 – Tactical Armor, Fortified Reliability

Sabertooth Z87 carries TUF Fortifier, a backplate that reinforces the PCB against bending and bowing caused by the installation of heavy components. Thermal Armor with Flow Valve provides total airflow-boosting heat dissipation and enhanced heatpipe efficiency, providing flexibility that better-utilizes liquid and fan-based CPU cooling setups. Thermal Radar 2 enables real-time key component temp monitoring, while customizable fan control gives you the flexibility of adjusting fan speeds manually or achieving optimal thermal tuning with one click.

Gear up your TUF with Gryphon Armor Kit

Gryphon Z87 shares famed military-grade TUF components and Thermal Radar 2 technology. Plus, with the Gryphon Armor Kit (sold separately), you can enjoy DIY experiences with TUF while upgrading system durability via bundled TUF Fortifier, Thermal Armor, and Dust Defenders.

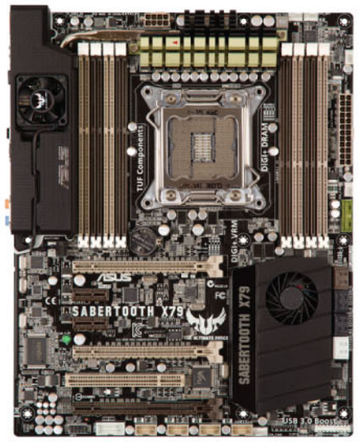


* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers.
Products/features may not be available in all markets. Refer to www.asus.com for more information.

SABERTOOTH X79

Best cooling of all Intel® X79 boards with Thermal Armor and Thermal Radar

- 2nd Generation Intel® Core™ i7 processor family for the LGA 2011 Socket
- Intel® X79 Express Chipset
- Support for up to 64GB of system memory with an 8-DIMM design
- TUF Thermal Armor - Total Airflow-Boosting Heat Dissipation
- TUF Thermal Radar - Real Time Temp Detection and Heat Removal
- TUF Components [Choke, Cap. & MOSFET; Certified by Military-standard] - Certified for Tough Duty
- New DIGI+ Power Control - All-New Digital Power Control for both CPU and DRAM
- ASUS SSD Caching - 3X faster performance at a click
- USB BIOS Flashback - Easy, worry-free USB BIOS Flashback





Intel® Socket 2011 for 2nd Generation Core™ i7 Processors
Intel® X79
8 x DIMM, Max. 64GB, DDR3 1866
NVIDIA® Quad-GPU SLI™ Technology
AMD Quad-GPU CrossFireX™ Technology=
2 x PCIe 3.0/2.0 x16
2 x SATA 6Gb/s , 4 x SATA 3Gb/s , 2 x SATA 6Gb/s
1 x Power eSATA 6Gb/s , 1 x eSATA 6Gb/s
6 x USB 3.0 , 14 x USB 2.0



SABERTOOTH Z87

TUF Intel® Z87 motherboard with fortified stability using a strengthened backplate and cooling system flexibility

- TUF Fortifier - Bolsters boards against bending damage
- Thermal Armor with Flow Valve - Total airflow-boosting heat dissipation
- Thermal Radar 2 - Complete system cooling, customized fan tuning
- Dust Defenders - Repel the dust, expand the lifespan
- TUF Components [10K Ti-Cap, Alloy Choke & MOSFET; certified by military-standard] – Certified for tough duty





Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 1866
Multi-VGA output support : HDMI/DisplayPort ports
NVIDIA® Quad-GPU SLI™ , AMD Quad-GPU CrossFireX™
2 x PCIe 3.0/2.0 x16 (x16 or dual x8)
6 x SATA 6Gb/s , 2 x SATA 6Gb/s , 2 x eSATA 6Gb/s
6 x USB 3.0/2.0 , 8 x USB 2.0/1.1



Gryphon Z87+Armor kit

TUF mATX Intel® Z87 military-grade motherboard with advanced cooling and DIY flexibility

- TUF Thermal Radar 2
- TUF Components [Alloy Choke, Cap. & MOSFET; Certified by Military-standard]
- Server-grade Testing Program
- DIGI+ Power Control
- ESD Guards
- Featured by GRYPHON ARMOR KIT Support



Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 1866
Multi-VGA output support : HDMI/DVI ports
NVIDIA® Quad-GPU SLI™ , AMD Quad-GPU CrossFireX™
2 x PCIe 3.0/2.0 x16 (x16 or dual x8)
6 x SATA 6Gb/s
6 x USB 3.0/2.0 , 8 x USB 2.0/1.1

VANGUARD B85

Get TUF core reliability and cooling tech on Intel®B85 mATX motherboard

- TUF Thermal Radar Core - Complete System Cooling, Customized Fan Tuning
- TUF Components [10K Ti-Caps, Alloy Chokes & MOSFETs; Certified by Military-standard] - Certified for Tough Duty
- Server-grade Reliability Test - Promised Reliability with Strict Testing
- DIGI+ VRM - Herald the Arrival of a New Digital Power Design Era
- ESD Guards - Ultra-protection Against Electrostatic Discharge





Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® B85
4 x DIMM, Max. 32GB, DDR3 1600
Multi-VGA output support : HDMI/DVI/RGB/DisplayPort ports
AMD Quad-GPU CrossFireX™
1 x PCIe 3.0/2.0 x16
4 x SATA 6Gb/s , 2 x SATA 3Gb/s
6 x USB 3.0/2.0 , 8 x USB 2.0/1.1

Sabertooth 990FX R2.0

AAMD 990FX(AM3+) Military-Grade Motherboard with Aerospace-Grade CeraM!X Cooling Techology.

- TUF CeraM!X Heatsink Coating Tech. - 50% Larger Area for Heat Dissipation with the Revolutionary Ceramics-coating Technology.
- TUF Thermal Radar - Real Time Temp. Detection and Heat Removal
- TUF Components [Alloy Choke, Cap. & MOSFET; Certified by Military-standard] - Certified for Tough Duty
- New DIGI+ Power Control - All-New Digital Power Control for both CPU and DRAM
- USB BIOS Flashback - Easy, Worry-free USB BIOS Flashback with Hardware-based Design
- Remote GO! - One-stop PC Remote Control and Home Entertainment





AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors
AMD 990FX/SB950
4 x DIMM, Max. 32GB, DDR3 1866
NVIDIA® Quad-GPU SLI™ Technology
AMD Quad-GPU CrossFireX™ Technology
3 x PCIe 2.0 x16 (dual x16 or x16/x8/x8)
6 x SATA 6Gb/s
ASMedia® PCIe SATA , 2 x SATA 6Gb/s , 2 x eSATA 6Gb/s
Realtek® 8111F, 1 x Gigabit LAN
6 x USB 3.0/2.0
12 x USB 2.0/1.1

ASUS ROG SERIES MOTHERBOARDS

REPUBLIC OF GAMERS

THE CHOICE OF CHAMPIONS



Maximus VI Series

LOOKING FOR THE BEST Z87? LOOK NO FURTHER

1 **Real-time monitoring and tweaking** command center. Use OC Panel inside the case for regular gaming, or externally as a standalone overclocking console. Compatible with all Maximus VI boards.

2 **The Z87 overclocking king.** Holding the most world records, packed with the exclusive features overclockers love and massive connectivity.

3 **The mini-ITX that's destined for big** things. Its small size is no limitation, with full-scale overclocking and brilliant 115dB signal-to-noise ratio (SNR) audio! Declared Best of Computex 2013 by Tom's Hardware.

4 **ROG exclusivity at an accessible price.** Enjoy the outstanding quality, overclocking capacity and gamer-friendly goodies galore.

5 **Combines beauty and performance.** With the best hybrid cooling and brilliant 120dB signal-to-noise ratio (SNR) audio, just perfect for watercooling fans and hardcore gamers.

6 **Brilliant mATX for gaming and overclocking.** GENE is adored by the worldwide gaming-event community and is the dream choice for mATX power seekers.

* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers. Products/features may not be available in all markets. Refer to www.asus.com for more information.







Rampage IV Black Edition

Assemble the Best, Break all Limits

- OC Panel - Overclocking Command Center
- Extreme Engine Digi+ III - Hardcore power delivery with premium components
- SupremeFX Black - Amazing 120dB signal-to-noise ratio with integrated 600ohm-headphone amplifier
- Subzero Sense - Find out how cold your board is
- VGA Hotwire - Hotwire your system
- GameFirst II + Intel LAN - Put Your Frags First
- Sonic Radar - Scan and detect to dominate
- RAMDisk - Double up on speed with RAM
- 4-Way NIVDIA® SLI™ / AMD CrossFireX™ Support
- Wi-Fi 802.11ac/Bluetooth 4.0

Intel® Socket 2011 for 2nd Generation Core™ i7 Processors
Intel® X79
8 x DIMM, Max. 64GB, DDR3 1866
NVIDIA® Quad-GPU SLI™ Technology
AMD Quad-GPU CrossFireX™ Technology=
2 x PCIe 3.0/2.0 x16
2 x SATA 6Gb/s , 4 x SATA 3Gb/s , 2 x SATA 6Gb/s
1 x Power eSATA 6Gb/s , 1 x eSATA 6Gb/s
6 x USB 3.0 , 14 x USB 2.0

DEC-2013

Maximus VI Extreme

TUF Intel® Z87 motherboard with fortified stability using a strengthened backplate and cooling system flexibility

- OC Panel - Overclocking Command Center
- Extreme Engine Digi+ III - Hardcore power delivery with premium components
- Subzero Sense - Find out how cold your board is
- VGA Hotwire - Hotwire your system
- mPCIe Combo II + Wi-Fi 802.11ac/Bluetooth 4.0 - Extra connections to next gen standards
- 4-Way NIVDIA® SLI™ / AMD CrossFireX™ Support

IIntel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 3100(O.C.)
Multi-VGA output support : HDMI/DisplayPort ports
NVIDIA® 4-Way SLI™ , AMD CrossFireX™
5 x PCIe 3.0/2.0 x16 (x16 or dual x8 or x8/x16/x8 or x8/x16/x8/x8)
6 x SATA 6Gb/s , 4 x SATA 6Gb/s
4 x USB 3.0 , 8 x USB 2.0 , 4 x USB 3.0

DEC-2013 NOV-2013







Crosshair V Formula-Z

Upgraded 990FX motherboard with exclusive ROG gaming audio and networking technologies

- Extreme Engine Digi+ II -- Powerful combination of analog and digital design elements
- SupremeFX III -- Play with ultra-real cinematic in-game surround sound!
- GameFirst II-- Put your frags first
- 3-Way NIVDIA® SLI™ / AMD CrossFireX™ Technology
- Intel® Gigabit LAN -- Experience the fast network connectivity!
- UEFI BIOS -- Flexible & Easy BIOS Interface
- Supercharged Audio and Ultrafast LAN

AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors
AMD 990FX/SB950
4 x DIMM, Max. 32GB, DDR3 2400(O.C.)
NVIDIA® Quad-GPU SLI™ , NVIDIA® 3-Way SLI™
AMD 3-Way CrossFireX™
3 x PCIe 2.0 x16 (dual x16 or x16/x8/x8)
6 x SATA 6Gb/s , 2 x SATA 6Gb/s , 2 x eSATA 6Gb/s

MAR-2013











Maximus VI Formula

Unbeatable Z87 board with double-sided ROG Armor, 23°C-cooler CrossChill and 120dB SNR with plus 600ohm-headphone amplifier

- CrossChill - Great on air. Cooler with water
- SupremeFX Formula - Amazing 120dB signal-to-noise ratio with integrated 600ohm-headphone amplifier
- ROG Armor - Style, strength, and cooling in one
- Sonic Radar - Scan and detect to dominate
- mPCIe Combo II With Wi-Fi - Extra connections with new gen support
- Extreme Engine Digi+ III - Hardcore power delivery with premium components
- GameFirst II + Intel LAN - Put Your Frags First
- RAMDisk - Double up on speed with RAM

Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 3100(O.C.)
Multi-VGA output support : HDMI/DisplayPort ports
NVIDIA® Quad-GPU SLI™ , AMD 3-Way CrossFireX™
3 x PCIe 3.0/2.0 x16 (x16 or dual x8 or x8/x4/x4)
6 x SATA 6Gb/s , 4 x SATA 6Gb/s
4 x USB 3.0 , 8 x USB 2.0 , 4 x USB 3.0

NOV-2013 SEP-2013





Maximus VI Impact

Mini-ITX Z87 gaming board from ROG with amazing audio, incredible power management and flexible next-generation connectivity

- Impact Power - Compact dynamo of full-scale power
- SupremeFX Impact - Blade of sound adds striking game audio
- Sonic Radar - Scan and detect to dominate
- mPCIe Combo II + Wi-Fi 802.11ac/Bluetooth 4.0 - Extra connections with new gen support
- GameFirst II + Intel LAN - Put Your Frags First
- RAMDisk - Double up on speed with RAM

Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
2 x DIMM, Max. 16GB, DDR3 3000(O.C.)
Multi-VGA output support : HDMI/DisplayPort ports
1 x PCIe 3.0/2.0 x16
4 x SATA 6Gb/s , 1 x eSATA ,
1 x M.2 (NGFF) Socket 2 on mPCIe Combo II expansion card(s), black
6 x USB 3.0 , 6 x USB 2.0

SEP-2013 NOV-2013 DEC-2013



Maximus VI Gene

Best Z87 gaming mATX loaded with 115dB SNR audio and overclocking features

- SupremeFX - Supremacy through discrete-caliber audio
- Sonic Radar - Scan and detect to dominate
- mPCIe Combo II - Extra connections with new gen support
- Extreme Engine Digi+ III - Hardcore power delivery with premium components
- GameFirst II + Intel LAN - Put Your Frags First
- RAMDisk - Double up on speed with RAM

Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 3000(O.C.)
HDMI with max. resolution 4096 x 2160 @ 24 Hz / 2560 x 1600 @ 60 Hz
NVIDIA® Quad-GPU SLI™
AMD Quad-GPU CrossFireX™
2 x PCIe 3.0/2.0 x16 (x16 or dual x8)
6 x SATA 6Gb/s , 2 x SATA 6Gb/s
4 x USB 3.0 , 8 x USB 2.0 , 4 x USB 3.0

OCT-2013 SEP-2013





Maximus VI Hero

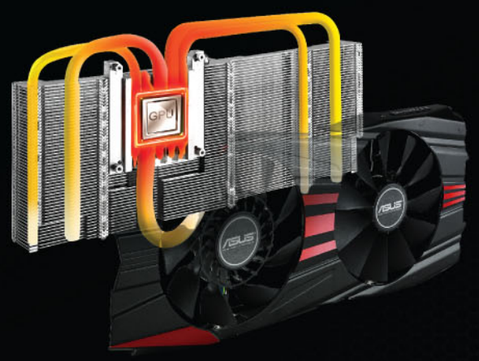
More accessible while packing major ROG features

- SupremeFX - Supremacy through discrete-caliber audio
- Sonic Radar - Scan and detect to dominate
- Extreme Engine Digi+ III - Hardcore power delivery with premium components
- GameFirst II + Intel LAN - Put Your Frags First

Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Intel® Z87
4 x DIMM, Max. 32GB, DDR3 3000(O.C.)
HDMI with max. resolution 4096 x 2160 @ 24 Hz / 2560 x 1600 @ 60 Hz
2 x PCIe 3.0/2.0 x16 (x16 or dual x8, red)
6 x SATA 6Gb/s , 2 x SATA 6Gb/s
6 x USB 3.0 , 8 x USB 2.0

JUL-2013 OCT-2013

* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers.
Products/features may not be available in all markets. Refer to www.asus.com for more information.



ULTIMATE COOLING

DirectCU II: 30% cooler, 3X quieter*

Exclusive DirectCU II thermal design includes a direct-GPU contact 10mm* copper heatpipe and 220% larger dissipation area to boost heat removal efficiently. It performs 30% cooler and 3X quieter than reference.

**30% cooler and 3X quieter performance is based on GTX 780 DC2. It may also vary by system configuration.*

DirectCU Graphics Cards to Fit All Your Needs



DirectCU has won 751 awards worldwide

Top Pick
"Armed with features like DirectCU II, CoolTech Fan technology and a DIGI+ VRM with 10-phase it gives ASUS the opportunity to differentiate themselves from the competition."
– Guru3D, Netherlands, Jun 2013

Dam Innovative Award
"…by utilizing the GTX 670 as the DirectCU II Mini's starting point ASUS was able to finely tune performance…"

– Hardware Canucks, US, Aug 2013

Must Have
"…this cooler delivers class leading results, while emitting only a modicum of noise from the two slow spinning dual fans..."

– Kit Guru, UK, Aug 2013

ULTIMATE STABILITY

15% Performance Boost, 2.5X Longer Lifespan, 35°C Cooler Operations





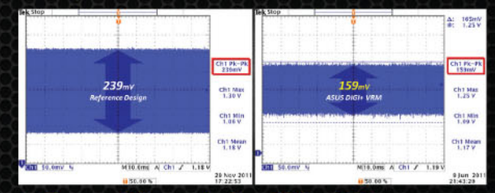
Enhanced durability and cooling

The exclusive alloyed components helps boost performance by reducing power loss, enhancing durability and achieving cooler operation. The chokes' concrete core eliminates the buzz sound in full load while the capacitors assure a 50,000 hours lifespan - equivalent to 2.5 times longer than traditional capacitors.

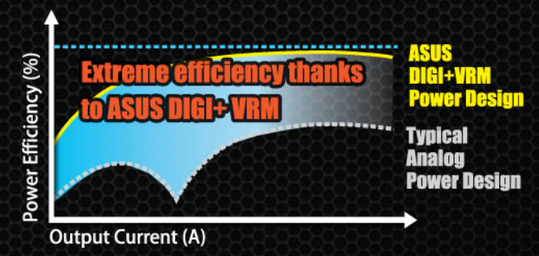


Precise digital power delivery for stable overclocking ASUS has brought its acclaimed DIGI+ VRM digital power delivery design from motherboards to graphics cards. It utilizes digital voltage regulators to increase power efficiency, widen the voltage modulation range, and improve overall stability and longevity.

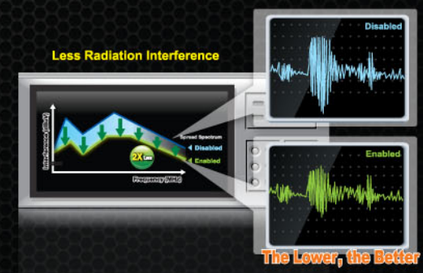
1. 30% power noise reduction from 239mV to 159mV.



2. 15% better power efficiency under 2D mode from 34.3W to 28.7W.



3. 2X greater EMI protection from 40dB to 20dB.



ULTIMATE OVERCLOCKING

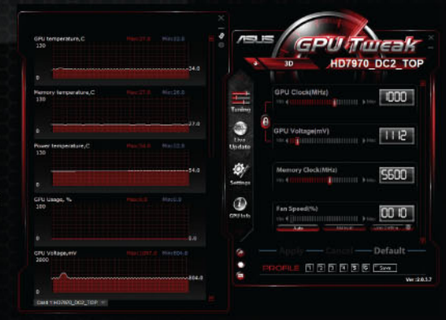
DirectCU II: 30% cooler, 3X quieter*



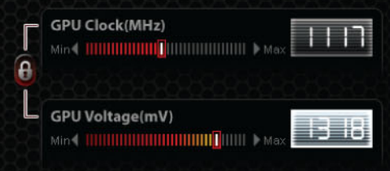
Tweak and tune like a PRO

Overclocking is made real-time and intuitive with ASUS GPU Tweak utility. It not only allows you to optimize clock speeds, voltages and fan speeds on up to four graphics cards independently or simultaneously.

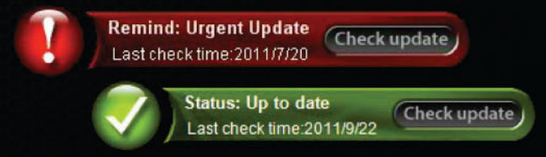
On top of these exciting tools, ASUS gives you more:



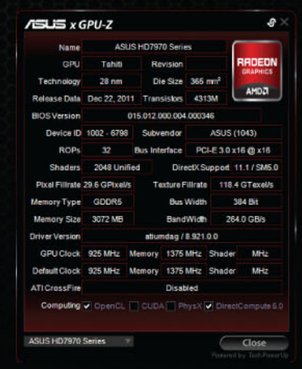
1. Sync GPU clocks and voltages for easier overclocking*



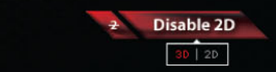
2. Automatically check and update driver and BIOS versions



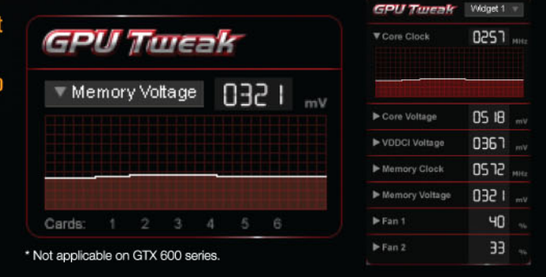
3. Get detailed specs and actual card status with GPU-Z



4. 2D/ 3D switcher can lock the card in 3D mode for higher benchmarks*



5. Monitoring widget provides detailed multi-parameter info



* Not applicable on GTX 600 series.

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NVIDIA GEFORCE GTX700 SERIES





GPU Tweak · 4GB GDDR5 Memory · GPU Tweak Real-time Graphics Tuning

NVIDIA GEFORCE GTX

MARS760-4GD5

ASUS ROG MARS 760: Dual GPU. Ultimate Performance.

- Dual GeForce GTX 760 GPUs provide 14% faster game performance
- Exclusive DirectCU II with 8 heatpipes deliver 20% cooler and vastly quieter than GTX 690
- Acclaimed DIGI+ VRM joins superior quality 12-phase Super Alloy Power to drive precise digital control for enhanced performance, reliability, and card longevity
- Japan-made black metallic capacitors 20% better temperature endurance and 5X longer lifetime usage
- MARS LED light pulsates in red when the card is active
- GPU Tweak: modify clock speeds, voltage and more via an intuitive interface

GPU	:	NVIDIA GeForce GTX 760x2
Video memory	:	GDDR5 4GB
Engine clock	:	GPU Boost Clock : 1072 MHz
Memory clock	:	6004 MHz (1501 MHz GDDR5)
Memory interface	:	512-bit
Dimensions	:	11 " x 4.38 " x 1.6 " Inch





GPU Tweak · 3GB GDDR5 Memory · GPU Tweak Real-time Graphics Tuning

NVIDIA GEFORCE GTX

GTX780TI-DC2OC-3GD5

ASUS GeForce GTX 780 Ti DirectCU II deliver 6% faster game performance than reference design

- DirectCU II offers 20% cooler and 3X quieter performance
- Exclusive CoolTech Fan drives wider airflow to keep critical components cool 1020 MHz boost clock for better performance and outstanding gaming experience
- DIGI+ VRM with 10 phase Super Alloy
- Power delivers precise digital power for superior efficiency, reliability, and performance
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface
- 6% faster game performance than reference GeForce GTX 780 Ti in BattleField 4™

GPU	:	NVIDIA GeForce GTX 780 Ti
Video memory	:	GDDR5 3GB
Engine clock	:	GPU Boost Clock : 928 MHz
Memory clock	:	7000 MHz (1750 MHz GDDR5)
Memory interface	:	384-bit
Dimensions	:	10.8 " x 4.376 " x 1.5 " Inch





DirectCU II OC · DIGI+ VRM Super Alloy Power Stable Overclocking · GPU Tweak Real-time Graphics Tuning · 3GB GDDR5 Memory

GTX780-DC2OC-3GD5

ASUS GeForce® GTX 780 DirectCU II gives new edge to hardcore gamers

- DirectCU II achieves 30% lower temps with 220% the dissipation area, plus 3X quieter running than reference
- Exclusive CoolTech Fan drives wider airflow to keep critical components cool
- DIGI+ VRM with 10-phase Super Alloy
- Power delivers precise digital power for superior efficiency, reliability, and performance
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface

GPU	:	NVIDIA GeForce GTX TITAN
Video memory	:	GDDR5 6GB
Engine clock	:	GPU Boost Clock : 876 MHz
Memory clock	:	6000 MHz (1500 MHz DDR5)
Memory interface	:	384-bit
Dimensions	:	10.5 " x 4.376 " x 1.5 " Inch 26.67 x 11.11 x3.81 Centimeter

OCT-2013 · JUL-2013 · AUG-2013





DirectCU II OC · DIGI+ VRM Super Alloy Power Stable Overclocking · GPU Tweak Real-time Graphics Tuning · 2GB GDDR5 Memory

GTX770-DC2OC-2GD5

ASUS GeForce® GTX 770 DirectCU II graphics cards for better high-end gaming

- DirectCU II with precision-shaped SSU heatpipes utilizes highly-conductive copper and directly-centered GPU placement to double cooling efficiency in the same space
- DIGI+ VRM with 10-phase Super Alloy
- Power precise digital delivery for superior efficiency, reliability, and performance
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface

GPU	:	NVIDIA GeForce GTX 770
Video memory	:	GDDR5 2GB
Engine clock	:	GPU Boost Clock : 1110 MHz
Memory clock	:	17010MHz (1752 MHz GDDR5)
Memory interface	:	256-bit
Dimensions	:	10.7 " x 5.2 " x 1.6 " Inch

SEP-2013 · AUG-2013





DirectCU II · All-U Super Power 2.5X Longer Lifespan · DIRECT POWER Stable Performance · GPU Tweak Real-time Graphics Tuning · 2GB GDDR5 Memory

GTX760-DC2OC-2GD5

ASUS GeForce® GTX 760 DirectCU II bring sweet spot performance

- DirectCU II achieves 20% lower temps with direct-contact copper heatpipes while running vastly quieter than reference
- Direct Power ensures stable performance with 56% less impedance and a 17% cooler PCB
- Super Alloy Power components increase product longevity by up to 2.5X compared to reference
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface

GPU	:	NVIDIA GeForce GTX 760
Video memory	:	GDDR5 2GB
Engine clock	:	GPU Boost Clock : 1072 MHz
Memory clock	:	6008 MHz (1502 Mhz GDDR5)
Memory interface	:	256-bit
Dimensions	:	8.6 " x 5 " x 1.5 " Inch

NOV-2013 · SEP-2013

NVIDIA GEFORCE GTX

ENTHUSIAST & PERFORMANCE



GTX690-4GD5

ASUS GTX 690: dual-GPU power enters the 28nm generation

- GPU Tweak utility helps you modify and tune clocks (including new boost clock settings), power consumption targets, voltages, and fan perfor mance via an intuitive interface
- Dynamic clock speed maximization based on game workload pushes performance to new levels with NVIDIA GPU Boost technology
- Transform hundreds of PC games into full stereoscopic 3D with NVIDIA 3D Vision and dual-GPU power

GPU Tweak · DX11 Lifelike Graphics · 4GB GDDR5 Memory · PCIe 3.0 2X Data Bandwidth

GPU	:	NVIDIA GeForce GTX 690
Video memory	:	GDDR5 4GB
Engine clock	:	GPU Boost Clock : 1019 MHz
Memory clock	:	6008 MHz (1502 MHz GDDR5)
Memory interface	:	512-bit
Dimensions	:	11 " x 4.4 " x 1.9 " Inch

JUN-2013



GTXTITAN-6GD5

ASUS GTX TITAN: Built to Power the World's First Gaming Supercomputers

- The world's fastest graphics card with GTX TITAN GPU and beefy 6GB GDDR5 memory
- GPU Tweak utility helps you modify and tune clocks (including new boost clock settings), power consumption targets, voltages, and fan performance via an intuitive interface
- Dynamic clock speed maximization based on game workload pushes performance to new levels with NVIDIA GPU Boost 2.0 technology

GPU Tweak · PCIe 3.0 2X Data Bandwidth · 6GB GDDR5 Memory

GPU	:	NVIDIA GeForce GTX TITAN
Video memory	:	GDDR5 6GB
Engine clock	:	GPU Boost Clock : 876 MHz
Memory clock	:	6000 MHz (1500 MHz DDR5)
Memory interface	:	384-bit
Dimensions	:	10.5 " x 4.376 " x 1.5 " Inch

MAY-2013



DirectCU Mini · GPU Tweak

GTX670-DCMOC-2GD5

ASUS GeForce® GTX 670 DC Mini small form factor gaming graphics card

- The small form factor GeForce® GTX 670 graphics card for ITX/mATX gaming PCs
- DirectCU with vapor chamber offers 20%(7.5ºC) cooler and 3X quieter performance
- Direct Power ensures stable performance with 56% less impedance and a 17% cooler PCB
- Super Alloy Power components increase product longevity by up to 2.5X compared to reference•

GPU	:	NVIDIA GeForce GTX 670
Video memory	:	GDDR5 2GB
Engine clock	:	GPU Boost Clock : 1006 MHz
Memory clock	:	6008 MHz (1502 MHz GDDR5)
Memory interface	:	256-bit
Dimensions	:	6.7 " x 4.8 " x 1.6 " Inch



DirectCU II OC · DIGI+ VRM Super Alloy Power Stable Overclocking · GPU Tweak

GTX660-DC2O-2GD5

ASUS GeForce® GTX 660 DirectCU OC: 1085MHz overclocked, 20% cooler, 3X quieter

- TOP-selected 1085MHz cores run 105 MHz higher than reference for smoother gameplay.
- DirectCU achieves 20% lower temps with twice the dissipation area and 6X greater airflow than conventional design.
- DIGI+ VRM with Super Alloy Power delivers superior efficiency, reliability, and performance.

GPU	:	NVIDIA GeForce GTX 660
Video memory	:	GDDR5 2GB
Engine clock	:	GPU Boost Clock : 1085 MHz
Memory clock	:	6008 MHz (1502 MHz GDDR5)
Memory interface	:	192-bit
Dimensions	:	10.2 " x 5.2 " x 1.5 " Inch



PCIe 3.0 2X Data Bandwidth · OC Edition · DX11.1 Lifelike Graphics · Super Alloy Power · GPU Tweak · CHIP Outstanding

GTX650TIB-DC2OC-2GD5

ASUS GeForce® GTX 650 Ti Boost DirectCU II dual-fan performance graphics

- OC-selected 1085 MHz core, 52 MHz higher than reference for smoother gameplay.
- DirectCU achieves 20% lower temps with direct-contact copper heatpipes and much quieter than reference.
- Premium alloys in power delivery components defeat heat for cards that run 15% faster and last 2.5 times longer than reference.
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface.

GPU	:	NVIDIA GeForce GTX 650 Ti Boost
Video memory	:	GDDR5 2GB
Engine clock	:	GPU Boost Clock : 1085 MHz
Memory clock	:	6008 MHz (1502 MHz GDDR5)
Memory interface	:	192-bit
Dimensions	:	8.46 " x 4.8 " x 1.49 " Inch

MAY-2013



25% Lifespan · GPU Tweak · Unplugged only motherboard power needed

GTX650-E-2GD5

ASUS GeForce® GTX 650: no power plugs, just graphics power!

- Premium alloys in power delivery components defeat heat for cards that run 15% faster and last 2.5 times longer than reference
- Resist dust and particles for 25% longer graphics card longevity
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface
- Power-plug free cards get you instant graphics upgrades with just motherboard power

GPU	:	NVIDIA GeForce GTX 650
Video memory	:	GDDR5 2GB
Engine clock	:	1071 MHz
Memory clock	:	5000 MHz (1250 MHz GDDR5)
Memory interface	:	128-bit
Dimensions	:	7.79 " x 4.54 " x 1.54 " Inch

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NVIDIA GEFORCE MAINSTREAM & VALUE



GT640-1GD5-L

Great value graphics with superior stability and 3D gaming

- Pump up graphics performance with Super Alloy Power delivering a 15% performance boost, 2.5 longer lifespan and 35°C cooler operation
- Dust-proof Fan design increases particle resistence and extends card lifespan by up to 25% longer than reference
- GPU Tweak utility helps you modify and tune clock speeds, voltages, and fan performance via an intuitive interface



GPU	:	NVIDIA GeForce GT 640
Video memory	:	GDDR5 1GB
Engine clock	:	1046 MHz
Memory clock	:	5010 MHz (1252 MHz GDDR5)
Memory interface	:	64-bit
Dimensions	:	5.7 " x 2.71 " x 1.04 " Inch



GT630-SL-2GD3-L

Great value graphics with superior stability and 3D gaming

- Pump up graphics performance with Super Alloy Power delivering a 15% performance boost, 2.5 longer lifespan and 35°C cooler operation
- Silent passive cooling means true 0dB - perfect for quiet home theater PCs and multimedia centers
- GPU Tweak utility helps you modify and tune clock speeds, voltages, and fan performance via an intuitive interface



GPU	:	NVIDIA GeForce GT 630
Video memory	:	GDDR3 2GB
Engine clock	:	902 MHz
Memory clock	:	1800 MHz (900 MHz GDDR3)
Memory interface	:	64-bit
Dimensions	:	5.39 " x 2.71 " x 1.18 " Inch



GT610-SL-2GD3-L

ASUS GT 610 0dB, fanless graphics card with DirectX®11.1, HDMI support

- Exclusive 0dB thermal design dissipates heat efficiently without any noise
- ASUS low profile HTPC and multimedia-focused graphics cards are optimized for smooth 1920x1080 streaming and Blu-ray 3D
- Full HD multimedia entertainment with DX11.1 and HDMI support



GPU	:	NVIDIA GeForce GT 610
Video memory	:	GDDR3 2GB
Engine clock	:	810 MHz
Memory clock	:	1200 MHz (600 MHz GDDR3)
Memory interface	:	64-bit
Dimensions	:	7.3 " x 4.7 " x 1.6 " Inch



EN210 SILENT/DI/1GD3/V2(LP)

ASUS GeForce® 210 offers a silent, low-profile card for HD HTPC entertainment

- Exclusive 0dB thermal design dissipates heat efficiently with no noise generated Ideal for home theater PCs and multimedia centers with its low profile, high-efficiency, low-consumption design
- Native HDMI on board for full HD 1080p entertainment
- Enhanced durability and protection with GPU Guard and EMI Shield more, all via an intuitive interface



GPU	:	NVIDIA GeForce 210
Video memory	:	GDDR3 1GB
Engine clock	:	589 MHz
Memory clock	:	1200 MHz (600 MHz DDR3)
Memory interface	:	64-bit
Dimensions	:	7 " x 4.76 " Inch

ASUS GeForce GTX Series Awards

ASUS GTX 650Ti Boost Direct CUII	**A Much Needed Boost** The ASUS GTX650Ti Boost succeeded our expectations and more as we tested it out in our labs. If you're looking for a DX11 upgrade,but don't want to burn too big of a hole in your wallet,this card is one to look for ***MAY 2013***
ASUS GeForce GTX 670	**Big Performance from a Mini Card** ASUS managed to fit the card into a small case because of their new cooling system,which still utilises the brand's renowned heatpipes but has kept it to a dual slot size instead of the usual triple slot we are currently familiar with. ***JUN 2013***
ASUS GeForce GTX 670 DirectCU Mini Graphic Card Review	With the introduction of cards like ASUS GeForce GTX 670 DirectCU Mini, **SFF casing users now have the opportunity to upgrade their gaming experience.** ***OCT 2013***
ASUS GTX TITAN	The ASUS GTX TITAN is rather **impressive for extreme gamers as it could deliver extra juice for the FPS.** ***NOV 2013***

NEW RADEON R SERIES



R9290X-4GD5

ASUS R9 290X: Best performance in 4K gaming

- 4GB GDDR5 memory for the best gaming experiences in the highest resolutions.
- Microsoft DirectX 11.2 API Brings new levels of visual realism to gaming on the PC and get top-notch performance.
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface.



GPU	:	AMD Radeon R9 290X
Video memory	:	GDDR5 4GB
Engine clock	:	1000 MHz
Memory clock	:	5000 MHz (1250 MHz GDDR5)
Memory interface	:	512-bit
Dimensions	:	10.9 " x 4.3 " x 1.4 " Inch

DEC-2013



R9290-4GD5

ASUS R9 290 graphics cards offer best performance in 4K and multi-monitor gaming

- 4GB GDDR5 memory for the best gaming experiences in the highest resolutions.
- Microsoft DirectX 11.2 API Brings new levels of visual realism to gaming on the PC and get top-notch performance.
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface.



GPU	:	AMD Radeon R9 290
Video memory	:	GDDR5 4GB
Engine clock	:	947 MHz
Memory clock	:	1250 MHz (GDDR5)
Memory interface	:	512-bit
Dimensions	:	10.9 " x 4.3 " x 1.4 " Inch



MATRIX-R9280X-P-3GD5

ASUS ROG MATRIX R9 280X : ultimate overclocking and gaming power

- VGA Hotwire connects card and ROG board voltage regulators for accurate and solder-free hardware-level voltage control.
- TweakIt offers real-time fingertip-easy hardware level voltage adjustment by simply pressing the + and - buttons.
- Acclaimed DIGI+ VRM joins superior quality 20-phase Super Alloy Power to drive precise digital control for enhanced performance, reliability, and card longevity.
- ROG GPU Tweak suite offers the world's first graphics overclocking tool with loadline calibration and VRM overclocking.



GPU	:	AMD Radeon R9 280X
Video memory	:	GDDR5 3GB
Engine clock	:	GPU Boost Clock : 1100 MHz GPU Base Clock : 950 MHz
Memory clock	:	6400 MHz (1600 MHz GDDR5)
Memory interface	:	384-bit
Dimensions	:	11.2 " x 5.7 " x 2.1 " Inch



R9280X-DC2T-3GD5

ASUS Radeon R9 280X DirectCU II gives new edge to hardcore gamers

- DirectCU II achieves 20% lower temps with direct-contact copper heatpipes, plus 3X quieter and 6X more powerful twin 100mm fan operation.
- Exclusive CoolTech Fan drives wider airflow to keep critical components cool.
- TOP-selected 1070MHz cores run 70MHz higher than reference for smoother gameplay.
- DIGI+ VRM with 12-phase Super Alloy Power delivers precise digital power for superior efficiency, reliability, and performance.



GPU	:	AMD Radeon R9 280X
Video memory	:	GDDR5 3GB
Engine clock	:	GPU Boost Clock : 1070 MHz GPU Base Clock : 970 MHz
Memory clock	:	6400 MHz (1600 MHz GDDR5)
Memory interface	:	384-bit
Dimensions	:	11.2 " x 5.7 " x 1.5 " Inch



R9270X-DC2T-2GD5

ASUS Radeon R9 270X DirectCU II graphics cards for better high-end gaming

- DirectCU II with precision-shaped SSU heatpipes utilizes highly-conductive copper and directly-centered GPU placement to double cooling efficiency in the same space.
- TOP-selected 1120MHz cores run 70MHz higher than reference for smoother gameplay.
- DIGI+ VRM with 8-phase Super Alloy Power delivers precise digital power for superior efficiency, reliability, and performance.



GPU	:	AMD Radeon R9 270X
Video memory	:	GDDR5 2GB
Engine clock	:	GPU Boost Clock : 1120 MHz GPU Base Clock : 1050 MHz
Memory clock	:	5600 MHz (1400 MHz GDDR5)
Memory interface	:	256-bit
Dimensions	:	10.7 " x 5.24 " x 1.578 " Inch



R9270-DC2OC-2GD5

Perfect balance of 28nm power with cool and quiet performance

- DirectCU II achieves 20% lower temps and 6X greater airflow than reference design.
- OC-selected 975 MHz core, 50MHz higher than reference for smoother gaming.
- Premium alloys in power delivery components defeat heat for cards that run 15% faster and last 2.5 times longer than reference.
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface.



GPU	:	AMD Radeon R9 270
Video memory	:	GDDR5 2GB
Engine clock	:	GPU Boost Clock : 975 MHz GPU Base Clock : 950 MHz
Memory clock	:	5600 MHz (1400 MHz GDDR5)
Memory interface	:	256-bit
Dimensions	:	9.2 " x 4.9 " x 1.5 " Inch

* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers.
Products/features may not be available in all markets. Refer to www.asus.com for more information.

NEW RADEON R SERIES





R7260X-DC2OC-2GD5

ASUS GT 610 0dB, fanless graphics card with DirectX®11.1, HDMI support

- Exclusive 0dB thermal design dissipates heat efficiently without any noise
- ASUS low profile HTPC and multimedia-focused graphics cards are optimized for smooth 1920x1080 streaming and Blu-ray 3D
- Full HD multimedia entertainment with DX11.1 and HDMI support

GPU	:	AMD Radeon R7 260X
Video memory	:	GDDR5 2GB
Engine clock	:	1188 MHz
Memory clock	:	7000 MHz (1750 MHz GDDR5)
Memory interface	:	128-bit
Dimensions	:	8.5 " x 5.1 " x 1.5 " Inch





R7250-1GD5

Great value graphics with superior stability

- Premium alloys in power delivery components defeat heat for cards that run 15% faster and last 2.5 times longer than reference.
- Dust-proof Fan design increases particle resistance and extends card lifespan by up to 25% longer than reference.
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface.



GPU	:	AMD Radeon R7 250
Video memory	:	GDDR5 1024MB
Engine clock	:	GPU Boost Clock : 1050 MHz
Memory clock	:	4600 MHz (1150 MHz GDDR5)
Memory interface	:	128-bit
Dimensions	:	16 x 11.1 x3.4 Centimeter

R7240-2GD3-L

Great value graphics with superior stability and 3D gaming

- Premium alloys in power delivery components defeat heat for cards that run 15% faster and last 2.5 times longer than reference.
- Dust-proof Fan design increases particle resistance and extends card lifespan by up to 25% longer than reference.
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface.



GPU	:	AMD Radeon R7 240
Video memory	:	DDR3 2GB
Engine clock	:	GPU Boost Clock : 780 MHz
Memory clock	:	1800 MHz (900 MHz DDR3)
Memory interface	:	128-bit
Dimensions	:	15.9 x 11.1 x2 Centimeter

ASUS RADEON R Series Awards

ASUS R9 280X Matrix Platinum	ASUS R9 280X Matrix Platinum has fulfilled overclockers and gamers? dream to become the perfect graphics card for their needs. It is packed with state-of-the-art components, outstanding overclocking potential, impressive design and remarkable cooling technology. **OCT 2013**
ASUS R9 270 DirectCU II OC 2GB GDDR5	The card comes with Asus? DCU II cooling system, and requires a single 6-pin PCI-E power connector to operate **DEC 2013**
ASUS Radeon R9 270X	**Super Attractive Mid-Range Offering** For a mid range card, the ASUS Radeon R9 270X Direct CU II Top is actually quite an attractive package especially for those with aging graphics cards. **NOV 2013**
ASUS R9 280X ROG Matrix	**A Wolf in Sheep's Clothing** The card had a base clock of 950MHz that can automatically boost itself to 1100MHz when it needs to **DEC 2013**

AMD RADEON SERIES





HD7990-6GD5

ASUS HD 7990: dual-GPU power for an ultra-gaming future

- 6GB GDDR5 memory for the best gaming experiences in the highest resolutions
- DirectX® 11.1 brings new levels of visual realism to PC gaming with top-notch performance
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface

GPU	:	AMD Radeon HD 7990
Video memory	:	GDDR5 6GB
Engine clock	:	1000 MHz
Memory clock	:	6000 MHz (1500 MHz GDDR5)
Memory interface	:	384-bit x2
Dimensions	:	12 " x 4.375 " x 1.45 " Inch





HD7790-DC2OC-1GD5

ASUS HD 7790 DirectCU II cards offer cool gaming graphics

- OC-selected 1075MHz core, 75MHz higher than reference for smoother gaming
- DirectCU II achieves 20% lower temps and vastly quieter performance than reference with direct-contact copper heatpipes and dual fans
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface

GPU	:	AMD Radeon HD 7790
Video memory	:	GDDR5 1GB
Engine clock	:	1075 MHz
Memory clock	:	6400 MHz (1600 MHz GDDR5)
Memory interface	:	128-bit
Dimensions	:	8.5 " x 5.1 " x 1.5 " Inch



HD7770-DCT-1GD5

Combining 28nm AMD GPU technology with DirectCU cooling and overclocking

- DirectCU utilizes direct-contact GPU heatpipes for 20% cooler and significantly quieter performance than reference.
- GPU Tweak utility helps you modify and tune clock speeds, voltages, and fan performance via an intuitive interface.
- AMD Eyefinity™ technology extends your viewing landscape across multiple monitors.
- New PCIe 3.0 delivers double the bandwidth per lane of PCIe 2.0 for faster GPU–CPU communication.

GPU	:	AMD Radeon HD 7770
Video memory	:	GDDR5 1GB
Engine clock	:	1120 MHz
Memory clock	:	4600 MHz (1150 MHz GDDR5)
Memory interface	:	128-bit
Dimensions	:	9.3 " x 5.5 " x 1.7 " Inch



HD7750-T-1GD5

Sleek 28nm card with GPU Tweak

- Premium alloys inside power delivery components defeat the heat for cards that run better, cooler, and longer than reference.
- Get an instant upgrade with no messy power cables. This means the HD7750-T-1GD5 draws all its energy needs directly from the PCI Express slot, leading to a neat yet powerful graphics configuration.
- Dust-proof Fan design increases particle resistance and extends card lifespan by up to 25% longer than reference.

GPU	:	AMD Radeon HD 7750
Video memory	:	GDDR5 1GB
Engine clock	:	900 MHz
Memory clock	:	4600 GHz (1150 MHz GDDR5)
Memory interface	:	128-bit
Dimensions	:	7.8 " x 5 " x 1.7 " Inch





HD6570-2GD3-L

ASUS HD6570 low profile graphics card with DirectX 11 and HDMI support

- Premium alloys in power delivery components defeat heat for cards that run 15% faster and last 2.5 times longer than reference.
- Resists dust and particles for 25% longer graphics card longevity.
- GPU Tweak helps you modify clock speeds, voltages, fan performance and more, all via an intuitive interface.

GPU	:	AMD Radeon HD 6570
Video memory	:	GDDR3 2GB
Engine clock	:	650 MHz
Memory clock	:	1200 MHz (600 MHz DDR3)
Memory interface	:	128-bit
Dimensions	:	6.6 " x 4.6 " Inch





EAH5450 SILENT/DI/1GD3(LP)

Satisfy your Silent Demand of Home Entertainment with ASUS EAH5450 SILENT series

- ASUS exclusive 0dB thermal solution can satisfy silent environment demand of home theater enjoyment
- Gigantic 1GB DDR3 memory on board for better gaming performance and video resolution
- ASUS low profile HTPC and multimedia-focused graphics cards are optimized for smooth 1920x1080 streaming and Blu-ray 3D

GPU	:	AMD Radeon HD 5450
Video memory	:	GDDR3 1GB
Engine clock	:	650 MHz
Memory clock	:	900 MHz (450 MHz DDR3)
Memory interface	:	64-bit
Dimensions	:	7 " x 5.43 " x 0.76 " Inch

* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers. Products/features may not be available in all markets. Refer to www.asus.com for more information.

Why ASUS LCD Monitors

1 A+ Panel and 3-Year Warranty* with ASUS' Promise of Premium Service and Quality

3 Year Warranty

A+

A+ Panel

All ASUS monitors come with an A+ panel and a 3-year warranty, and are subjected to stringent durability tests. This is just one of the reasons why ASUS is ranked #1 in quality and service by the Wall Street Journal Asia.
*Terms and conditions may vary by model.

2 ASUS Wide-viewing Angle IPS Monitors

IPS
Ultra-Wide Viewing Angle

178°
Wide Viewing Angle

ASUS Display offers a comprehensive product line of wide-viewing angle (178°/178°) IPS Monitors ranging from different sizes and designs. IPS panel is 20 times better than normal panel in comparative changes and gamma shift.

Conventional LCD Monitors
Color shift problem with Narrow viewing angle 160°/170°



ASUS IPS Monitors
Color shift is minimized with Wide viewing angle 178°/178°



3 Mobile High-Definition Link (MHL) Functions

MHL
Mobile High-Definition Link

Mobile High-Definition Link (MHL) technology allows users to experience any MHL supported mobile devices on the big screen while simultaneously charging the devices.

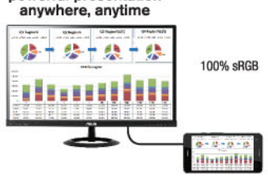
Viewing video and photo in high definition



Playing favorite mobile games on a big screen with big sound



Giving instant and powerful presentation anywhere, anytime



100% sRGB

Battery Charging at the same time!

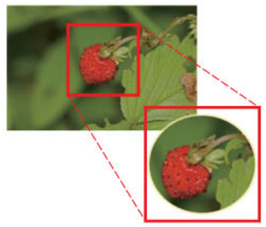


100% sRGB

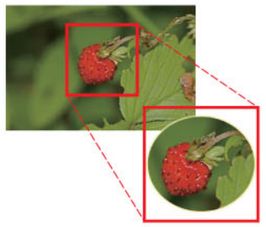
4 VividPixel Technology

ASUS VividPixel Technology helps enhance image outlines on screen for crystal-clear and detail-oriented enjoyment.

Monitors without VividPixel
Blur happens if original image is in lower resolution



Monitors with VividPixel
VividPixel generates high-quality images on screen



5 Award-winning Designs

Over 100 ASUS industrial designers based throughout the world pen products that combine innovative aesthetics with ergonomic design. ASUS products have received numerous plaudits, with accolades ranging from the iF and Red Dot design awards in Germany, to the Good Design Award from Japan.

iF product design award 2012 GOLD

GOOD DESIGN

reddot design award winner 2011

INTERNATIONAL DESIGN EXCELLENCE AWARDS '11

INNOVATIONS CES 2013 BEST OF INNOVATIONS

6 A Green Promise to the Environment

In keeping with the company-wide Green ASUS philosophy, ASUS LCD monitors meet the stringent environmental standards set by RoHS, Energy Star, J-MOSS, and TCO Label. These products are certified EPEAT Gold and hold the Taiwan Green Mark.

epeat GOLD

ENERGY STAR

TCO CERTIFIED

TÜV Rheinland Product Safety

ERGONOMIE GEPRÜFT
ERGONOMICS APPROVED

www.tuv.com
TÜV
GS geprüfte Sicherheit

*External wired subwoofer, touchscreen and some features are available on selected models only.
*Intel, the Intel Logo, Intel Inside, Intel Core, Core Inside and Thunderbolt are trademarks of Intel Corporation in the U.S. and/or other countries.

Superior Image Quality Meets Classic Elegant Design



VS197DE

Superior Image Quality Meets Classic Elegant Design
VS197DE LED monitor with 50,000,000:1 high contrast ratio, is optimized for the finest image and color quality. This approach extends to the sturdy stand and slim profile without compromising style in ensuring stability and durability.

LED · 4:3 Aspect Control · Smart View

	Size	Response Time	Brightness	Pixel Pitch	Display Colors	Viewing Angle	Inputs	Features	ACCESSORIES	PRICE (RM)
VS197DE	18.5"(47.0cm) Wide Screen 16:9	5ms	200 cd/㎡	0.3mm	16.7M	90°(H)/50°(V)	D-Sub	SPLENDID Video Preset Mode Selection Auto. Adjustment Brightness Adjustment Contrast Adjustment	VGA cable Power cord Quick start guide Warranty Card	289



VS207DE

Superior Image Quality Meets Classic Design
VS207DE LED monitor, with 80,000,000:1 high contrast ratio, is optimized for the finest image and color quality. This approach extends to the sturdy stand and slim profile without compromising style in ensuring stability and durability.

LED · 4:3 Aspect Control · QuickFit

	Size	Response Time	Brightness	Pixel Pitch	Display Colors	Viewing Angle	Inputs	Features	ACCESSORIES	PRICE (RM)
VS207DE	19.5"(49.5cm) Wide Screen 16:9	5ms	200 cd/㎡	0.270mm	16.7M	90°(H)/65°(V)	D-Sub	SPLENDID Video Preset Mode Selection Auto. Adjustment Brightness Adjustment QuickFit	VGA cable Power cord Quick start guide Warranty Card	329



VS228N

Superior Image Quality Meets Classic Elegant Design
Delicate touches make a monitor truly great, VS228N Full HD LED monitor, with 50,000,000:1 high contrast ratio and HDCP support, is optimized for the finest image and color quality. This approach extends to the sturdy stand and slim profile without compromising style in ensuring stability and durability.

LED Backlight · Full HD 1080 · HDMI · 4:3 Aspect Control · Smart View

	Size	Response Time	Brightness	Pixel Pitch	Display Colors	Viewing Angle	Inputs	Features	ACCESSORIES	PRICE (RM)
VS228N	21.5"(54.6cm) Wide Screen 16:9	5ms	250 cd/㎡	0.248mm	16.7M	170°(H)/ 160°(V)	D-Sub, DVI-D	SPLENDID Video Preset Mode Selection Auto. Adjustment Brightness Adjustment Contrast Adjustment	DVI cable VGA cable Power cord Quick start guide Warranty Card	429



VX228H

Superior Image Quality Meets Ultra-Slim Elegant Design
Delicate touches make a monitor truly great, VX228H Full HD LED monitor, with extremely quick 1ms response time, 80,000,000:1 high contrast ratio and HDMI interfaces, is optimized for the finest image and color quality. This approach extends to the sturdy sundial-inspired design stand and ultra-slim profile without compromising style in ensuring stability and durability.

LED Backlight · Ultra slim · 178° Wide Viewing Angle · QuickFit · Full HD 1080 · Splendid

	Size	Response Time	Brightness	Pixel Pitch	Display Colors	Viewing Angle	Inputs	Features	ACCESSORIES	PRICE (RM)
VX228H	21.5" Wide Screen 16:9 (54.6cm)	1ms (Gray to Gray)	250 cd/㎡	0.2652mm	16.7M	170°(H)/160°(V)	HDMI x 2, D-Sub	SPLENDID Video Preset Mode Selection Auto. Adjustment Brightness Adjustment Volume Adjustment Input Selection QuickFit	VGA cable Audio cable Power cord Power adapter Quick start guide HDMI-to-DVI cable HDMI cable Warranty Card	579

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VX239H

Full HD AH-IPS LED display with 178° wide-view angle
in frameless design for edge-to-edge brilliance. Featuring dual HDMI/MHL ports for multi device connections and MHL devices battery charging. Ultra-slim, ergonomic design with sturdy sundial-inspired stand

	Size	Response Time	Brightness	Pixel Pitch	Display Colors	Viewing Angle	Inputs	Features	ACCESSORIES	PRICE (RM)
VX239H	23" Wide Screen (16:9) (58.42cm)	5ms (Gray to Gray)	250cd/m²	0.2652mm	16.7M	178° (H) / 178° (V)	HDMI/MHLx 2, D-Sub	SPLENDID Video Preset Mode Selection Auto. Adjustment Brightness Adjustment Volume Adjustment Input Selection QuickFit	VGA cable Audio cable Power cord Power adapter Quick start guide HDMI-to-DVI cable *1 HDMI cable *2 Warranty Card MHL cable *3	699

Superior Image Quality Meets Frameless Elegant Design
Inspired by millennia of artistic legacy, the new VX239H sports an elegant and precision-crafted sundial design. The VX239H features an edge-to-edge frameless panel with 178° ultra-wide viewing angle AH-IPS A+ panel for incredible visuals. It's ultra-slim and ergonomic design can be tilted to provide you comfortable viewing experiences, while dual HDMI/MHL ports offers extensive connectivity options.





Extensive Connectivity and Built-in Stereo Speaker for Multimedia Enjoyment
VX239H comes with rich connectivity including dual HDMI/MHL ports and D-sub so that users could easily share and view MHL mobile devices* content on a much bigger screen, as well as charging MHL devices simultaneously. Also connect VX239H with Full HD Blu-ray Disc players and myriad HD playback devices like DVD players and set-top boxes for limitless entertainment and multimedia enjoyment with the built-in stereo speakers.





MX279H

Beauty Beyond Boundaries: Full HD AH-IPS LED-backlit and Frameless Monitor
Full HD AH-IPS LED display with 178° wide-view angle in frameless design for edge-to-edge brilliance. ASUS SonicMaster Technology, co-developed with Bang & Olufsen ICEpower® for premium immersive audio. Featuring dual HDMI ports for multi device connections

OCT-2013

	Size	Response Time	Brightness	Pixel Pitch	Display Colors	Viewing Angle	Inputs	Features	Accessories	Price (RM)
MX279H	27" Wide Screen (16:9) 1920 x 1080 Full HD, AH-IPS panel	5ms (Gray to Gray)	250cd/m²	0.2652mm	16.7M	178° (H) / 178° (V)	HDMI, DisplayPort, DVI-D, D-Sub, USB 3.0 x 4, PC & AV Audio Input, Earphone Jack	Picture-in-picture, Picture-by-picture, Swivel/Tilt/Pivot/Height Adjustment	VGA cable Audio cable Power cord Power adapter Quick start guide HDMI-to-DVI cable Warranty Card	1,399

Subtle & elegant design
Incredibly subtle but sophisticated BEAUTY BEYOND BOUNDARIES
ASUS Designo MX Series displays sport ultra-slim profiles — with MX279H measuring just 17.5mm at its thinnest point– thereby minimizing desk space requirements. In addition, the MX Series presents an edge-to-edge frameless screen with bezel thickness of just 0.8mm. This subtle but elegant design is further accentuated by a sundial-inspired stand which provides a sturdy base for the monitor. MX Series design has already garnered accolades at the 2012 Good Design Awards.

GOOD DESIGN



WHY ASUS NETWORKING

2013 READERS' CHOICE PC PCMAG.COM



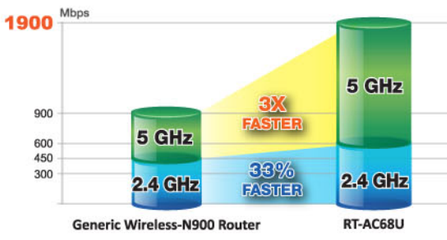
* A trademark of Ziff Davis, Inc. Used under license.

World's FASTEST Wi-Fi

LEADING SPEED AND PERFORMANCE

Best for Home entertainment & gaming

The new RT-AC68U brings you the world's fastest ac wireless speed of simultaneous 1900 Mbps. It is perfect for lag-free streaming and maximized throughput, with the 2.4 GHz band for smooth internet browsing and the 5 GHz band for HD streaming and gaming.
The RT-AC68U makes use of the finest components, and offers exclusive AiRadar signal enhancement technology.



30" set up

EASY SETUP

Best for Multi-device access & management

The user-friendly ASUSWRT dashboard allows ASUS routers to offer intuitive three-step setup in just 30 seconds*. It helps you manage networks via a clear graphical interface that puts every feature within instant reach. USB ports and integrated applications increase your enjoyment and productivity, enabling storage, printer, scanner, and 3G connection sharing to maximize network utility.



*ASUS-tested and verified setup time. Actual duration may vary by ISP, specific connection type, location, and other factors.

AiRadar Directional Signal Focus

STABLE AND RELIABLE

Best for Large spaces & multi-floor coverage

ASUS networking products always use the best components, offering extra-stable connectivity in every situation. Powerful processing drives up to 300,000 data sessions, 20X than other routers! Smart cooling prevents overheating for max stability, while exclusive ASUS AiRadar strengthens transmissions with patented antennas that expand Wi-Fi range, covering multi-level homes and offices.



* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers. Products/features may not be available in all markets. Refer to www.asus.com for more information.

No.1 for wireless routers two years running

Winner of PC Pro Excellence Awards in 2012 and 2013

PC PRO Excellence AWARDS 2013 WINNER BEST WIRELESS ROUTER

Key Features

ASUS PRO QoS
Prioritize bandwidth via an intuitive interface rather than rely on preset router speed controls, putting preferred applications first for smoother throughput even with background activity.

Printer Sharing
USB connectivity and fast wireless networking add printer and file sharing functions to ASUS routers, allowing better productivity and saving you the cost of maintaining standalone server hardware.

Enhanced Media Server
Connect to a variety of multimedia devices for smooth video and audio streaming.

Download Master
All-day background downloading even with PCs turned off make sharing easier with multi-format support, while BT Engine accelerates file access to save time and bandwidth.

3G/4G Sharing
Get online using your modem or via a 3G/4G USB dongle - the choice is yours. With 3G/4G failover function, you can get a backup plan should DSL fail to connect.

VPN Server
Easily set up a VPN server to browse the web and access online content with no regional restrictions. Featuring MPPE encryption, your activities and data remain secure and confidential at all times.

ASUS Routers always use the best components:

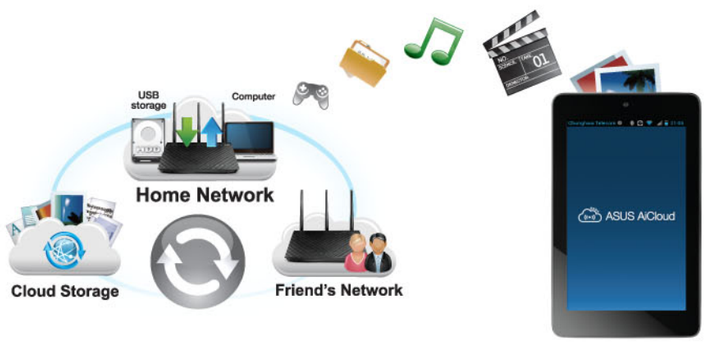
- Unique cooling designs prevent overheating
- Powerful CPUs provide high performance throughput
- 2.4GHz/5GHz transmitters deliver ultra-fast data transfers
- Up to 256MB RAM optimizes performance and heavy load stability

ASUS AiCloud

Your world on demand: sync, share, and stream!

ASUS AiCloud** lets you access, store, and share all your photos, videos, files, and other data from your router to any connected desktop, notebook, and storage device on the go and totally hassle-free. Easily sync with your ASUS WebStorage account and even friends' AiCloud accounts, making your private and public cloud into one – and best of all, storage expansion is unlimited!

The whole new Router-to-Router Sync function allows you to synchronize your stuff with storage devices connected to other compatible ASUS routers — it's as simple as choosing a sync folder. Sharing with friends and family is now easier than ever!



Android App on Google play
Available on the App Store

** Syncing among separate AiCloud accounts coming soon–please check www.asus.com for more information.
*** Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers.
Products/features may not be available in all markets. Refer to www.asus.com for more information.

Ultimate AC Performance

RT-AC68U RM829
AC-1900 Dual-band Wireless Gigabit Router
NEW PRODUCT

- The world's fastest Wi-Fi with combined dual-band data rates of 1900Mbps Broadcom® TurboQAM™ technology increases wireless-N data rate to 600Mbps for 33% faster performance
- ASUS AiRadar intelligently strengthens wireless connectivity using beamforming technology, high power amplification, and exclusive ASUS RF fine-tuning
- Five Gigabit Ethernet ports for fast, stable wired network connections
- Dual USB ports with USB 3.0 for ten times faster data transfer than USB 2.0
- Dual-core processor for fast and responsive performance with Wi-Fi, Ethernet and USB devices

Network Standard: 802.11ac (5GHz): up to 1300Mbps/802.11n (2.4GHz): up to 450Mbps/TurboQAM 2.4GHz: up to 600Mbps
Operating Frequency: 2.4GHz ~ 2.4835GHz/5.1 ~ 5.8GHz
Ethernet Port: 4 x Gigabit LAN ports, 1 x USB 2.0 & 2 x USB 3.0 for high speed 3G/4G sharing, HDD sharing, SAMBA, enhanced media server,FTP server and printer server
Antenna: 3x External dual-band detachable antennas
Memory: 128MB Flash/256MB DDRII RAM
Encryption: 64/128-bit WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise, WPS (Wi-Fi protected setup)
Dimensions: 220x 160 x 83.3mm
Weight: 640g



Support Unifi Support MAXIS Fiber



RT-AC66U RM729
AC1750 Dual-band Wireless Gigabit Router

- 802.11ac: up to 1750 Mbps
- AiCloud: Sync between your public and private cloud, even your friend's AiCloud
- Gigabit Ethernet for the fastest and most reliable performance
- Expanded coverage with detachable high-powered antennas
- File, printer, and 3G/4G sharing via twin USB ports

Network Standard: 802.11ac (5GHz): up to 1300Mbps/802.11n (2.4GHz): up to 450Mbps
Operating Frequency: 2.4GHz ~ 2.4835GHz/5.1 ~ 5.8GHz
Ethernet Port: 4 x Gigabit LAN ports & 2 x USB 2.0 for 3G/4G sharing, HDD sharing, SAMBA, enhanced media server, FTP server and printer server
Antenna: 3x External dual-band detachable antennas
Memory: 128MB Flash/256MB DDRII RAM
Encryption: 64/128-bit WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise, WPS (Wi-Fi protected setup)
Dimensions: 207 x 148.8 x 35.5mm
Weight: 450g

Support Unifi Support MAXIS Fiber

SILVER HWM MALAYSIA JUL-2013
PC.com MAY-2013

RT-AC56U RM629
Wireless-AC1200 Dual Band Gigabit Router
NEW PRODUCT

- Dual-core CPU and 256MB DDR3 memory optimize performance
- ASUS-designed internal antennas for powerful signal amplification
- AiRadar beamforming improves Wi-Fi performance
- USB 3.0 high-speed sharing

Network Standard: IEEE 802.11 b/g/n/ac. Up to 1200 Mbps
Operating Frequency: 2.4GHz, 5GHz
Ethernet Ports: WAN x1, LAN x4 10/100/1000 Base-T RJ45
Antenna: built-in high efficiency CPL™ antennas x4
Dimensions: 147x 205 x 66mm, Weight: 406g
AC input: 100V ~ 240V (50 ~ 60HZ), DC output: 19V with max, 1.75A current
Security: 64-bit WEP, 128-bit WEP, WPA2-PSK, WPA-PSK, WPA/ WPA2 -Enterprise, WPS(Wi-Fi protected setup)



Support Unifi Support MAXIS Fiber



PCE-AC68 RM329
AC1900 Dual-band Wireless PCI-E Adapter

- Instant Wi-Fi upgrade for your desktop
- 5th gen 802.11ac chipset gives you dual-band for up to super-fast 1.3Gbit/s
- TurboQAM™ for up to 33%-faster performance on the wireless-N 2.4GHz band
- High-power design clears up dead zones with 150% greater coverage

Network Standard: IEEE 802.11 a/b/g/n/ac
Operating 2.412G~2.462Hz / 5.18~5.825GHz
Antenna: External detachable Antenna x 3 + 1 x Antenna base
Interface: PCI-Express

* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers.
Products/features may not be available in all markets. Refer to www.asus.com for more information.



"ASUS RT-N66U: best WLAN throughput in review - c't 6/2012."

RT-N66U RM619
N900 Dual-band Wireless Gigabit Router

- 2.4 GHz and 5 GHz concurrent dual-band transmissions for strong signal strength and ultra-fast connection rates up to 900Mbps
- Gigabit Ethernet ports for the fastest, most reliable internet performance
- Download master for wireless data storage and access to router-connected USB storage devices
- ASUSWRT dashboard UI for easy setup, signal monitoring, and network application control

Network Standard: IEEE 802.11a/b/g/n: up to 900Mbps
Ethernet Port: WAN x 1, LAN x 4 RJ-45 for 10/100/1000 Base T
Memory: 32 MB flash and 256MB DDR2 RAM
Encryption: Supports 64/128-bit WEP, WPA-PSK, WPA2-PSK, WPA-Enterprise, WPA2 Enterprise, RADIUS with IEEE 802.1x, WPS (Wi-Fi Protected Setup)
Dimensions: 207 x 148 x 35.5mm

Wi Fi CERTIFIED · 450X2 · Guest Access · USBX2 · 30-Second · Parental Control · AiCloud · Win8 Support

DSL-N66U RMTBA
N900 ADSL/VDSL Dual Band Wireless Modem Router



- 2-in-1 modem router with Ethernet WAN and DSL WAN
- Dual system design offers more performance and flexibility for wired and wireless connections
- Gigabit Ethernet ports for fastest and reliable internet performance
- File, printer, and 3G sharing via 2 USB ports
- ASUSWRT dashboard UI for easy setup, signal monitoring, and network application control

ADSL/VDSL Standard: ANSI T1.413 Compliant, ITU-T G.992.1 (G.dmt), ITU-T G.992.2 (G. Lite), ITU-T G.992.3 (ADSL2), ITU-T G.992.5(ADSL2+) ITU-T G.993.2, ATM and PTM (dual-priority), VDSL2 interface compliance with ITU-T993.2, VDSL2/ADSL+/ADSL2/ADSL multimode, Annex A, Annex B compliant
Ports: 1 x RJ11, 4 x LAN RJ45 for 10/100/1000 BaseT, 1 x WAN RJ45 for 10/100/1000 BaseT, 2 x USB
Security: 64/128-bit WEP/WEP2, WPA/WPA2-PSK/AES, WPA

450X2 · Dual CPU · AiCloud · Gigabit Wired · Extra WAN · USBX2



WL-330NUL RM119
All-in-One Pocket Router Keeps You Connected Wherever You Go

- World's smallest router
- Wi-Fi hot spot sharing
- USB Ethernet adapter for Ultrabooks
- Wireless adapter

Dimensions: 65 x 20 x 15 mm
Weight: 25g
Web-Base management, Ultra-Link windows Utility
One-click guest management

OCT-2013 · Ethernet Adapter Best for Ultrabooks · Portable Router Wi-Fi Everywhere · Wireless Adapter Plug-n-Connect · Wi-Fi Hot Spot Easy Account Sharing · Mac Support



EA-N66 RM309
N900 Dual-band Wi-Fi AP/Bridge/Range Extender

- **Access Point (AP) Mode**: Create or upgrade your wireless home network.
- **Bridge Mode**: Instant wireless for all your Ethernet devices!
- **Range Extender Mode**: Expand your existing Wi-Fi network's coverage
- 2.4GHz/5GHz dual-band reduces Wi-Fi interference for HD multimedia
- Patented antennas ensure wide-cover stable Wi-Fi even in multi-floor locations

Network Standard: IEEE 802.11 a/b/g/n Up to 450 Mbps
Antenna: 3 x R SMA Antenna
Dimensions: 122 x 111 x 62 mm
Weight: 110g
Security: 64-bit WEP, 128-bit WEP, WPA2-PSK, WPA-PSK, WPA-Enterprise, WPA2-Enterprise, Radius with 802.1x, WPS support
Interface: Gigabit Ethernet (RJ45 x1)



NEW PRODUCT

RP-N53 RM219
Wireless-N600 Range Extender

- Concurrent dual-band range extender for new-gen Wi-Fi
- Quick and simple wireless media streaming
- One-press setup with WPS

Network Standard: IEEE 802.11 a/b/g/n. Up to 600 Mbps
Operating Frequency: 2.4GHz, 5GHz
Dimensions: 85 x 54 x 31mm
Security: Shared Key, WEP, WPA Personal, WPA2 Personal, WPA-Auto-Personal
Interface: 10/100M base T RJ-45 x 1, Audio-out Jack x 1

OCT-2013 · DEC-2013 · Dual Band Concurrent · Easy Setup · One touch Light on/off · Wall Plug · Signal Indicator

O!PLAY
SMART TV SET-TOP BOX

Exclusive features with support of more than 50 formats*

Please visit www.asus.com for format support information

Model Name		O!Play TV Pro
File Systems		FAT16/32, NTFS, HFS/HFS+, EXT3
Wireless Standard		802.11 b/g/n
LAN		10/100/1000 Mbps
I/O		Multi-card reader (SD/MMC/MS/xD); HDMI x 1; USB 2.0 x 2; USB 3.0 x 1; Component port x 1; Composite port x 1; RF I/O x 1
Online Entertainment		YouTube, Facebook, Flickr, Dailymotion, Picasa, Internet TV/Radio via Muzee, Music Trava.ru, Podcast, Weather, Finance, Stock, Launchpad by Flingo
Format Support*	Video	MPEG1, MPEG2, MPEG4, RM, RMVB, VC-1, H.264, H.264 MVC(3D), XVID. Video file extension: TRP, MP4, MOV, AVI, ASF, WMV, MKV, FLV, TS, MTS, M2TS, BD-iso, DAT, MPG, VOB, ISO, M1V, M2V, M4V
	Audio	APE, MP2, MP3, WAV, AAC, OGG, FLAC, AIFF, Dolby Digital Plus, DTS digital Surround, Dolby True HD (Passthrough), Dolby True HD (Decoding), Tag ID3, MS-ADPCM/LC-AAC/HE-ACC/COOK/RA-Lossless
	Image	JPEG, BMP, PNG, GIF, TIFF
	Subtitles	SRT, SUB, SMI, SSA, ASS, TXT, idx+sub
	Price (RM)	**RM689**

O!Play TV PRO

- DVR-T digital TV turner built-in
- Supports over 50 formats including 3D Video
- One-click O!Captures hot key to share media files on Facebook
- 3,5" hard drive and NAS support
- Web browser support



O!Play Mini Plus

- Rich online entertainment including YouTube, Facebook, Dailymotion and more
- Enjoy content from mobile devices and PC on HDTV via quick access O!Direct and O!Media Share
- Wireless N and Gigabit Ethernet support allows you to stream HD files smoothly

* [NEW] Virtual AP : Create home Wi-Fi networks and share wireless signal with devices like pads,tablets and smartphone. Simply plug the Ethernet cable to Mini Plus and it turns into an AP instantly
[NEW] Youtube DIAL :With Youtube DIAL you can link videos via smartphone to your TV,tablet, and other devices





O!Play Mini

- Stunning full HD 1080p visuals
- Exclusive AutoPlay function: Plug-n-Play videos stored on USB flash dive or SD/MM/MS/xD card without further setups
- 4-in-1 card reader support

Model Name		O!Play Mini Plus	O!Play Mini
File Systems		FAT16/32, NTFS, HFS/HFS+, EXT3	
Wireless Standard		802.11 b/g/n	N/A
LAN		10/100/1000 Mbps	N/A
I/O		1 x DC Power In, 1 x USB 2.0 Port, 1 x USB 2.0 / eSATA Combo Port, 1 x RJ-45 LAN Port, 4 -in-1 Card Readers (SD/ MS/ xD/ MMC), Composite Video, Composite Audio L/R, S/PDIF Out (Optical), 1 x HDMI1.3	1 x DC Power In, 1 x USB Port, 1 x S/PDIF (Optical), 4 -in-1 Card Readers (SD/ MS/ xD/ MMC), Composite Video, Composite Audio L/R, S/PDIF Out (Optical), 1 x HDMI1.3
Online Entertainment		YouTube DIAL, Netflix, Dailymotion, Facebook, Podcast, Internat TV/ Radio via Muzee, RSS, Stock, Weather	N/A
Format Support	Video	Video: MPG1/2/4, RM, RMVB, VC-1, H.264	
		Video File Extension : TRP, MP4, MOV, Xvid, AVI, ASF, WMV, MKV, FLV, TS, MTS, M2TS, DAT, MPG, VOB, ISO	Video File Extension : TRP, MP4, MOV, Xvid, AVI, ASF, WMV, MKV, RMVB 720p, RMVB 1080p, FLV, TS, MTS, M2TS, DAT, MPG, VOB, ISO, IFO, M1V, M2V, M4V
	Audio	MP3, WAV, AAC, OGG, FLAC, AIFF, Dolby Digital AC3, Dolby Digital Plus, DTS 2.0 +Digital out, Dolby True HD (Passthrough), Dolby True HD (Decoding), Tag ID3	MP3, WAV, AAC, OGG, FLAC, AIFF, Dolby Digital AC3, Dolby Digital Plus, DTS 2.0 +Digital out, Tag ID3
	Image	JPEG, BMP, PNG, GIF, TIFF	
	Subtitles	SRT, SUB, SMI, SSA, TXT	SRT, SUB, SMI, SSA, ASS, IDX, TXT
	Price (RM)	**RM479**	**RM269**

* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers. Products/features may not be available in all markets. Refer to www.asus.com for more information.

SDRW-08D3S-U RM119

Zen Drive Brings Entertainment AVWHERE

- MAC and Windows 8 Compatible
- 8X DVD writing speed
- AV Functioin allows you to enjoy media content on TVs and Pads
- Disc Encryption doubles the security with password control and hidden file function
- Drag-and-Burn with 3 easy steps to complete disc burning



Power2Go 8 | GOOD DESIGN AWARD 2012 | TAIWAN EXCELLENCE 2013

8X | WRITE SPEED | DRAG & BURN | DISC ENCRYPTION II

Write Speed: 8X DVD±R, 8X DVD+RW, 6X DVD-RW, 6X DVD±R(DL), 5X DVD-RAM
Read Speed: 8X DVD±R(SL/DL), 8X DVD±RW, 8X DVD-ROM(SL/DL), 5X DVD-RAM
Interface: USB 2.0

SBW-06D2X-U RM399

BDXL Support - Maximum Data Storage up to 128GB

- MAC and Windows 8 Compatible
- BDXL format support
- Extreme 6X Blu-ray writing speed
- 2011 iF Design Award
- 2012 Taiwan Excellence Award



Power2Go 8 | product design award 2011 | TAIWAN EXCELLENCE 2012

Write Speed: 8X DVD±R, 8X DVD+RW, 6X DVD-RW, 6X DVD±(DL), 5X DVD-RAM
Read Speed: 8X DVD±R(SL/DL), 8X DVD±RW, 8X-ROM(SL/DL), 5X DVD-RAM
Interface: USB 2.0

SDRW-08U5S-U RM159

Ultra-thin and perfect for Ultrabooks!

- MAC and Windows 8 Compatible
- World's Thinnest DVD-Writer
- 8X DVD writing speed
- Built-in Hidden stand saves space and increases mobility
- Disc Encryption doubles the security with password
- control and hidden file function
- Drag-and-Burn with 3 easy steps to complete disc burning



Power2Go 8 | COMPUTEX

Write Speed: 8X DVD±R, 8X DVD+RW, 6X DVD-R, 6X DVD±R(DL), 5X DVD-RAM
Read Speed: 8X DVD±R(SL/DL), 8X DVD±RW, 8X DVD-ROM(SL/DL), 5X DVD-RAM
Interface: USB 2.0

BW-12D1S-U RM499

Extreme 12X Blu-ray Writer

- 12X Blu-ray burning speed and best burning quality
- USB 3.0 doubles transmission speeds
- Blu-ray 3D, 2D to 3D conversion, DVD upscaling to HD 1080p
- Dolby EX and DTS-HD (5.1 channels)



12X | 3 | CINEMA | WRITE SPEED | USB 3.0 | MAGIC CINEMA | DTS | DRAG & BURN | DISC ENCRYPTION II

dts Digital Surround | PowerDVD 10 | TAIWAN EXCELLENCE 2011

Write Speed: 12X BD-R, 2X BD-RE, 8X BD-R(DL), 2X BD-RE(DL)
Read Speed: 8X BD-R, 8X BD-RE, 8X BD-ROM, 8X BD-R(DL), 6X BD-RE(DL), 8X BD-ROM(DL)
Interface: USB 3.0/USB 2.0

DRW-24D3ST RM69

The Most Energy Saving DVD-Writer

- Windows 8 Compatible
- 24X DVD writing speed
- E-Green saves over 50% of power consumption
- Double the security with Disc Encryption II through password control and hidden file name functionality
- Friendly interface with three simple steps to burn a disc



US DRW-24D3ST is a power-saving 24X Multi DVD Writer capable of wrting data to 24X DVD±R format and reading from 16X DVD±R format for best automatic burning quality. This drive provides you with the flexibility and efficiency for multimedia data storage and sharing.

Power2Go 8

Write Speed: 24X DVD±R, 8X DVD+RW, 6X DVD+RW, 12X DVD±RW
Read Speed: 16X DVD±R/ROM, 12X DVD±RW, 16X DVD-ROM, 12 DVD±R(DL), 12 DVD-ROM(DL), 12 DVD-RAM
Interface: SATA

BM-12B1ST RM359

The World's Fastest Blu-ray Burner at 12X Speed

- Windows 8 Compatible
- Fastest 12X Blu-ray writing speed
- E-Green saves over 50% power consumption
- Blu-ray 3D support, 2D to 3D DVD conversion, DVD upscaling to HD 1080p (optional)
- Dolby EX and DTS-HD (5.1 channels)(optional)



12X Blu-ray High Speed
With the fastest 12X Blu-ray writing, it only takes 11 mins to back up 25GB* of data

Power2Go 8

Write Speed: 12X BD-R, 8X BD-R(DL), 4X BD-R(LTH), 2X BD-RE, 2X BD-RE(DL), 16X DVD+R, 16X DVD-R 8X DVD+RW, 6X DVD-RW, 8X DVD+R(DL) , 8X DVD-R (DL), 12X DVD-RAM, 48X CD-R , 24X CD-RW
Read Speed: 8X BD-R, 8X BD-RE, 8X BD-ROM, 8X BD-R(DL), 6X BD-RE(DL), 8X BD-ROM(DL), 16X DVD+R, 16X DVD-R, 12X DVD+RW, 12X DVD-RW, 16X DVD-ROM, 12X DVD+R(DL), 12X DVD-R(DL) , 12X DVD-ROM(DL), 12X DVD-RAM, 48X CD-R, 48X CD-ROM
Interface: SATA

SDRW-08D2S-U LITE RM109

Harmony of Technology and Aethetics

- MAC and Windows 8 Compatible
- Disc Encryption double security with password-controlled and hidden-file functionality
- Drag-and-Burn: friendly interface with only three simple steps to burn a disc
- Diamond-cut design realize aesthetics of technology



ASUS SDRW-08D2S-U LITE is an external slim DVD writer capable of 8X speeds. It's stylish and portable design. The lattice-like appearance of the drive is inspired by diamonds, making the product unique from every angle. Additional features include USB 2.0 and the E-Green Engine for the best optical storage available.

Power2Go 8

Write Speed: 8X DVD±R, 8X DVD+RW , 6X DVD-RW, 6X DVD±R(DL) , 5X DVD-RAM
Read Speed: 8X DVD±R, 8X DVD±RW, 8X DVD-ROM, 8X DVD±R(DL), 8X DVD-ROM(DL), 5X DVD-RAM
Interface: USB 2.0

Disc Encryption II

Double security with password-controlled and hidden-file functionality< p/>



Drag-and-Burn

Friendly Interface with only three simple steps to burn a disc



* Price, specification and availability are subject to change without notice. Please check with your supplier for exact offers. Products/features may not be available in all markets. Refer to www.asus.com for more information.

MODEL	RAMPAGE IV BLACK EDITION	MAXIMUS VI EXTREME	MAXIMUS VI FORMULA	MAXIMUS VI IMPACT	MAXIMUS VI HERO	MAXIMUS VI GENE	CROSSHAIR V FORMULA-Z
CPU Support	Intel® Processors Intel® Core™ i7 Processors for LGA 2011 Socket	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core i3/Pentium®/ Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors	AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors
Chipset	Intel® X79	Intel® Z87	Intel® Z87	Intel® Z87	Intel® Z87	Intel® Z87	AMD 990FX/SB950
Memory	8 x DIMM, Max. 64GB, DDR3 2800(O.C.)	4 x DIMM, Max. 32GB, DDR3 3100(O.C.)	4 x DIMM, Max. 32GB, DDR3 3100(O.C.)	2 x DIMM, Max. 16GB, DDR3 3000(O.C.)	4 x DIMM, Max. 32GB, DDR3 3000(O.C.)	4 x DIMM, Max. 32GB, DDR3 3000(O.C.)	4 x DIMM, Max. 32GB, DDR3 2400(O.C.)
Multi-GPU Support	NVIDIA® 4-Way SLI™ AMD 4-Way CrossFireX	NVIDIA® 4-Way SLI™ AMD 4-Way CrossFireX™	NVIDIA® Quad-GPU SLI™ AMD 3-Way CrossFireX™	N/A	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™	NVIDIA® Quad-GPU SLI™ NVIDIA® 3-Way SLI™ AMD 3-Way CrossFireX™
Expansion Slots	4 x PCIe 3.0/2.0 x16 2 x PCIe 2.0 x1	4 x PCIe 3.0/2.0 x16 2 x PCIe 2.0 x1	3 x PCIe 3.0/2.0 x16 1 x mini-PCIe 2.0 x1 3 x PCIe 2.0 x1	1 x PCIe 3.0/2.0 x16 1 x mini-PCIe 2.0 x1	2 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 3 x PCIe 2.0 x1	2 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x4 1 x mini-PCIe 2.0 x1	3 x PCIe 2.0 x16 1 x PCIe 2.0 x16 2 x PCIe 2.0 x1
Storage	Intel® X79 chipset : 2 x SATA 6Gb/s port(s), gray 4 x SATA 3Gb/s port(s), black ASMedia® ASM1061 controller : 2 x eSATA 6Gb/s port(s), red 4 x SATA 6Gb/s port(s), gray	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), red Intel® Z87 chipset : 1 x M.2 (NGFF) Socket 2 on mPCIe Combo II expansion card(s), black ASMedia® ASM1061 controller : 4 x SATA 6Gb/s port(s), red	Intel® Z87 chipset : *3 6 x SATA 6Gb/s port(s), red Intel® Z87 chipset : 1 x M.2 (NGFF) Socket 2 on mPCIe Combo II expansion card(s), black ASMedia® ASM1061 controller : 4 x SATA 6Gb/s port(s), red	Intel® Z87 chipset : 4 x SATA 6Gb/s port(s), red Intel® Z87 chipset : 1 x eSATA port(s), red Intel® Z87 chipset : 1 x M.2 (NGFF) Socket 2 on mPCIe Combo II expansion card(s), black	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), red ASMedia® ASM1061 controller : 2 x SATA 6Gb/s port(s), red	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), red Intel® Z87 chipset : 1 x M.2 (NGFF) Socket 2 on mPCIe Combo II expansion card(s), black ASMedia® ASM1061 controller : 2 x SATA 6Gb/s port(s), red	AMD SB950 controller : 6 x SATA 6Gb/s port(s), red ASMedia® ASM1061 controller : 2 x SATA 6Gb/s port(s), red 2 x eSATA 6Gb/s port(s), red
LAN	Intel® 82579V, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN	Intel®, 1 x Gigabit LAN
Bluetooth	Bluetooth V4.0	Bluetooth V4.0 , Bluetooth V3.0+HS	Bluetooth V4.0 , Bluetooth V3.0+HS	Bluetooth V4.0 , Bluetooth V3.0+HS	N/A	N/A	N/A
Audio	ROG SupremeFX Black 8-Channel HD Audio CODEC	Realtek® ALC1150 8-Channel HD Audio CODEC	ROG SupremeFX Formula 8-Channel HD Audio CODEC	ROG SupremeFX Impact 8-Channel HD Audio CODEC	ROG SupremeFX Impact 8-Channel HD Audio CODEC	ROG SupremeFX 8-Channel High Definition Audio CODEC	SupremeFX III built-in 8-Channel HD Audio CODEC
USB Ports	ASMedia® USB 3.0 controller : 8 x USB 3.0 Intel® X79 chipset : 10 x USB 2.0	Intel® Z87 chipset : 4 x USB 3.0 Intel® Z87 chipset : 8 x USB 2.0 ASMedia® USB 3.0 controller : 4 x USB 3.0	Intel® Z87 chipset : 4 x USB 3.0 Intel® Z87 chipset : 8 x USB 2.0 ASMedia® USB 3.0 controller : 4 x USB 3.0	Intel® Z87 chipset : 6 x USB 3.0 Intel® Z87 chipset : 6 x USB 2.0	Intel® Z87 chipset : 6 x USB 3.0 Intel® Z87 chipset : 8 x USB 2.0	Intel® Z87 chipset : 4 x USB 3.0 Intel® Z87 chipset : 8 x USB 2.0 ASMedia® USB 3.0 controller : 4 x USB 3.0	ASMedia® USB 3.0 controller : 6 x USB 3.0 AMD SB950 controller : 12 x USB 2.0
OC Panel	2.6" LCM display EXTREME Mode for subzero OC benching; NORMAL Mode for in-chassis usage;	2.6" LCM display EXTREME/NORMAL mode switch	N/A	N/A	N/A	N/A	N/A
Special Features	ASUS Dual Intelligent Processors 4 with 4-Way Optimization CPU Level Up ASUS Wi-Fi GO! - TurboV EVO - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger+ - Onboard Button : Power/Reset/ Clr CMOS (at back IO) - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - USB 3.0 Boost - Disk Unlocker - ASUS Fan Xpert 2 - DirectKey - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS USB BIOS Flashback - ASUS UEFI BIOS EZ Mode - Multi-language BIOS - ASUS Q-Shield - ASUS Q-Code - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector - COP EX (Component Overheat Protection - EX) - Voltminder LED II - ASUS C.P.R.(CPU Parameter Recall)	- The tuning key perfectly consolidates ASUS-exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power setting, system performance, power saving and \ whole system cooling configuration CPU Level Up ASUS Wi-Fi GO! - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger+ - USB Charger+ - USB 3.0 Boost - Disk Unlocker - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Shield - ASUS Q-Code - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector - ASUS C.P.R. (CPU Parameter Recall)	- The tuning key perfectly consolidates ASUS-exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power setting, system performance, power saving and whole system cooling configuration CPU Level Up ASUS Wi-Fi GO! - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger - USB Charger+ - USB 3.0 Boost - Disk Unlocker - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Shield - ASUS Q-Cable - ASUS Q-Code - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector - ASUS C.P.R. (CPU Parameter Recall) - Wi-Fi Engine for network sharing and connection: Client Mode, AP Mode - Wi-Fi GO! & NFC Remote for portable Smartphone/Tablet, supporting iOS & Android systems - GPU Boost - USB BIOS Flashback - AI Suite 3 - Ai Charger+ - USB Charger+ - USB 3.0 Boost - Disk Unlocker - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Shield - ASUS Q-Code - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector - ASUS C.P.R. (CPU Parameter Recall)	- The tuning key perfectly consolidates ASUS-exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power setting, system performance, power saving and whole system cooling configuration CPU Level Up ASUS Wi-Fi GO! - Cloud GO!, Media Streaming Hub, Smart Sensor Control, Remote Desktop, Remote Keyboard & Mouse, File Transfer, Capture & Send - Wi-Fi Engine for network sharing and connection: Client Mode, AP Mode - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger - USB Charger+ - USB 3.0 Boost - Disk Unlocker - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Shield - ASUS Q-Code - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-DIMM - ASUS C.P.R. (CPU Parameter Recall)	- The tuning key perfectly consolidates ASUS -exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power setting, system performance, power saving and whole system cooling configuration CPU Level Up - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger - USB Charger+ - USB 3.0 Boost - Disk Unlocker - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Shield - ASUS Q-Code - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector - ASUS C.P.R. (CPU Parameter Recall) - 8 + 2 phase power design - NexFET™ Power Block MOSFET - 60A BlackWing Chokes - 10K Black Metallic Capacitors - ROG BIOS Print - GPU.DIMM Post - Tweakers' Paradise - ROG SSD Secure Erase ROG RAMDisk GameFirst II Extreme Tweaker	- ASUS Dual Intelligent Processors 4 with 4-Way Optimization : - The tuning key perfectly c onsolidates ASUS-exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power setting, system performance, power saving and whole system cooling configuration CPU Level Up - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger+ - USB Charger+ - USB 3.0 Boost - Disk Unlocker - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Shield - ASUS Q-Code - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector - ASUS C.P.R. (CPU Parameter Recall) - mPCIe Combo II (mPCIe/M.2 combo card) Extreme Engine Digi+ III : - 8 + 2 phase power design - NexFET™ Power Block MOSFET - 60A BlackWing Chokes - 10K Black Metallic Capacitors Probelt UEFI BIOS features : - ROG BIOS Print - GPU.DIMM Post - Tweakers' Paradise - ROG SSD Secure Erase ROG RAMDisk GameFirst II Extreme Tweaker	- ASUS EPU - TurboV - AI Suite II - AI Charger+ - USB 3.0 Boost - Disk Unlocker - ASUS Fan Xpert - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 3 - ASUS Q-Shield - ASUS Q-Code - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector
ROG Exclusive Features	- RC TweakIt - RC Diagram - RC Remote - RC Poster - 8 -phase CPU power design - 3 -phase VCCSA power design - 2 + 2 phase DRAM power design - NexFET™ Power Block MOSFET - 60A Chokes - 10K Black Metallic Capacitors Mem Tweakit - Slow Mode - LN2 Mode - PCIe x16 Lane Switch - EZ Plug - Probelt - ROG BIOS Print - GPU.DIMM Post - Tweakers' Paradise - ROG SSD Secure Erase ROG RAMDisk - GameFirst II - iROG - Extreme Tweaker Loadline Calibration - COP EX (Component Overheat Protection - EX) - Voltminder LED II - ASUS C.P.R. (CPU Parameter Recall)	- RC TweakIt - RC Diagram - RC Remote - RC Poster - 8 + 2 phase power design - NexFET™ Power Block MOSFET - 60A BlackWing Chokes - 10K Black Metallic Capacitors - Slow Mode - LN2 Mode - PCIe x16 Lane Switch - EZ Plug Probelt - ROG BIOS Print - GPU.DIMM Post - Tweakers' Paradise - ROG SSD Secure Erase ROG RAMDisk Extreme Tweaker					

MODEL	SABERTOOTH X79	SABERTOOTH Z87	SABERTOOTH 990FX	GRYPHON Z87 + ARMOR KIT	VANGUARD B85	X79-DELUXE	Z87-DELUXE
CPU Support	Intel® Socket 2011 for 2nd Generation Core™ i7 Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core i3/Pentium®/Celeron® Processors	AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/ Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors	Intel® Socket 2011 Core™ i7 Extreme Edition/Core™ i7 Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core ™ i3/Pentium®/Celeron® Processors
Chipset	Intel® X79	Intel® Z87	AMD 990FX/SB950	Intel® Z87	Intel® B85	Intel® X79	Intel® Z87
Memory	8 x DIMM, Max. 64GB, DDR3 1866	4 x DIMM, Max. 32GB, DDR3 1866	4 x DIMM, Max. 32GB, DDR3 1866	4 x DIMM, Max. 32GB, DDR3 1866	4 x DIMM, Max. 32GB, DDR3 1600	8 x DIMM, Max. 64GB, DDR3 2800(O.C.)	4 x DIMM, Max. 32GB, DDR3 3000(O.C.)
Multi-GPU Support	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™	AMD Quad-GPU CrossFireX™	NVIDIA® 3-Way SLI™ AMD Quad-GPU CrossFireX™ AMD 3-Way CrossFireX™	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™ AMD 3-Way CrossFireX™
Expansion Slots	2 x PCIe 3.0/2.0 x16 1 x PCIe 3.0/2.0 x16 2 x PCIe 2.0 x1 1 x PCI	2 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 3 x PCIe x1	3 x PCIe 2.0 x16 1 x PCIe 2.0 x16 1 x PCIe 2.0 x1 1 x PCI	2 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 1 x PCIe 2.0 x1	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 1 x PCIe 2.0 x1 1 x PCI	3 x PCIe 3.0/2.0 x16 1 x PCIe 3.0/2.0 x16 2 x PCIe x1	2 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 4 x PCIe 2.0 x1
Storage	Intel® X79 chipset : 2 x SATA 6Gb/s port(s), brown 4 x SATA 3Gb/s port(s), black Marvell® PCIe 9128 controller : 2 x SATA 6Gb/s port(s), gray ASMedia® ASM1061 controller : 1 x Power eSATA 6Gb/s port(s), green 1 x eSATA 6Gb/s port(s), red	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), brown ASMedia® ASM1061 controller : 2 x SATA 6Gb/s port(s), beige ASMedia® ASM1061 controller : 2 x eSATA 6Gb/s port(s), red	AMD SB950 controller : 6 x SATA 6Gb/s port(s), brown ASMedia® PCIe SATA controller : 2 x SATA 6Gb/s port(s), gray 2 x eSATA 6Gb/s port(s), red	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), brown	Intel® B85 chipset : 4 x SATA 6Gb/s port(s), brown 2 x SATA 3Gb/s port(s), black	Intel® X79 chipset : 2 x SATA 6Gb/s port(s), black 4 x SATA 3Gb/s port(s), black Marvell® PCIe 9230 controller : 4 x SATA 6Gb/s port(s), dark brown ASMedia® ASM1061 controller : 2 x SATA 6Gb/s port(s), dark brown 2 x Power eSATA 6Gb/s port(s), green	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), yellow ASMedia® ASM1061 controller : 4 x SATA 6Gb/s port(s), dark brown
LAN	Intel® 82579V, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN	Realtek® 8111F, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN	Intel® I217V	Intel® 82579V, 1 x Gigabit LAN Realtek® 8111GR, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN Realtek® 8111GR, 1 x Gigabit LAN
GRAPHICS	N/A	HDMI/Display	N/A	HDMI/DVI	HDMI/DVI/RGB/Display	N/A	HDMI/DisplayPort 1.2 /Mini Display
Audio	Realtek® ALC892 8-Channel HD Audio CODEC	Realtek® ALC1150 8-Channel HD Audio CODEC	Realtek® ALC892 8-Channel HD Audio CODEC	Realtek® ALC892 8-Channel HD Audio CODEC	Realtek® ALC887 8-Channel HD Audio CODEC	Realtek® ALC1150 8-Channel High Definition Audio CODEC	Realtek® ALC1150 8-Channel HD Audio CODEC
USB Ports	ASMedia® USB 3.0 controller : 6 x USB 3.0 Intel® X79 chipset : 14 x USB 2.0	Intel® Z87 chipset : 6 x USB 3.0/2.0 Intel® Z87 chipset : 8 x USB 2.0/1.1	ASMedia® USB 3.0 controller : 2 x USB 3.0/2.0 ASMedia® USB 3.0 controller : 4 x USB 3.0/2.0 AMD SB950 controller : 12 x USB 2.0/1.1	Intel® Z87 chipset : 6 x USB 3.0/2.0 Intel® Z87 chipset : 8 x USB 2.0/1.1	Intel® B85 chipset : 6 x USB 3.0/2.0 Intel® B85 chipset : 8 x USB 2.0/1.1	Intel® X79 chipset : 12 x USB 2.0/1.1 ASMedia® ASM1042 controller : 6 x USB 3.0/2.0	Intel® Z87 chipset : 4 x USB 3.0/2.0 Intel® Z87 chipset : 8 x USB 2.0/1.1 ASMedia® USB 3.0 controller : 4 x USB 3.0/2.0
Special Features	- 8 +2 +2 +2 - TUF Components (Choke, Cap. & MOSFET; certified by military-standard) - ASUS DIGI+ Power Control Utility - TUF Thermal Armor - TUF Thermal Radar - MemOK! - AI Suite II - Anti-Surge - ESD Guards - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - ASUS SSD Caching - USB 3.0 Boost - USB BIOS Flashback - ASUS Q-Shield - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 - Multi-language BIOS - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector	- 6 +2 Digital Phase Power Design - TUF Components (Alloy choke, Ti-Cap. & MOSFET; certified by military-standard) Ultimate COOL! Thermal Solution : - TUF Thermal Armor with Flow Valve - TUF Thermal Radar 2 - Dust Defender - TUF Fortifier - Remote GO! - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger - ESD Guards - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - DirectKey - Precision Tweaker 2 - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - Multi-language BIOS - ASUS Q-Shield - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector	- 8 +2 Digital Phase Power Design - TUF Components (Alloy choke, Ti-Cap. & MOSFET; certified by military-standard) - ASUS DIGI+ Power Control Utility - E.S.P. : Efficient Switching Power Design - TUF CoreMIX Heatsink Coating Tech. - TUF Thermal Radar - Remote GO! - USB BIOS Flashback - MemOK! - AI Suite II - Ai Charger+ - Anti-Surge - ESD Guards - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - DirectKey - ASUS O.C. Profile - ASUS EZ Flash 2 - ASUS MyLogo 2 - Multi-language BIOS - ASUS Q-Shield - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector	- 8 +2 Digital Phase Power Design - TUF Components (Alloy choke, Ti-Cap. & MOSFET; certified by military-standard) - ASUS DIGI+ Power Control Utility Ultimate COOL! Thermal Solution : - TUF Thermal Radar 2 - Remote GO! - USB BIOS Flashback - AI Suite 3 - Ai Charger - USB Charger+ - ESD Guards - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost ASUS EZ DIY : - DirectKey - Precision Tweaker 2 - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS USB BIOS Flashback - ASUS UEFI BIOS EZ Mode - Multi-language BIOS - ASUS Q-Shield - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector	- 4 +1 Digital Phase Power Design - TUF Components (Alloy choke, Ti-Cap. & MOSFET; certified by military-standard) - ASUS DIGI+ VRM Utility Ultimate COOL! Thermal Solution : - TUF Thermal Radar Core - AI Suite 3 - Ai Charger - ESD Guards - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Precision Tweaker 2 - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS UEFI BIOS EZ Mode - Multi-language BIOS - ASUS Q-Shield - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector	- The tuning key perfectly consolidates ASUS-exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power setting, system performance, power saving and whole system cooling configuration - ASUS DIGI+ VRM - B + 2 Phase digital power design - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - EPU switch - Industry leading Digital 8 + 2 Phase CPU Power Design - Industry leading Digital 2 + 2 Phase DRAM Power Design - CPU Power Utility - DRAM Power Utility ASUS Wi-Fi GO! - Wi-Fi GO! Function: Cloud GO!, Media Streaming Hub, Smart Sensor Control, Remote Desktop, Remote Keyboard & Mouse, File Transfer, Capture & Send - Wi-Fi Engine for network sharing and connection: Client Mode, AP Mode - Wi-Fi GO! & NFC Remote for portable Smartphone/Tablet, supporting iOS & Android systems - TurboV EVO - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger+ - USB Charger+ - Anti-Surge - Onboard Button : Power/Reset - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network Control - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-pipe solution - ASUS Fan Xpert 2 - DirectKey - Precision Tweaker 2 - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - Multi-language BIOS - ASUS Q-Shield - ASUS Q-Code - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector 100% All High-quality Conductive Polymer Capacitors - ASUS C.P.R.(CPU Parameter Recall)	- The tuning key perfectly consolidates ASUS-exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power setting, system performance, power saving and whole system cooling configuration - ASUS DIGI+ VRM Utility - CPU Power Utility - DRAM Power Utility ASUS Wi-Fi GO! Media Streaming Hub, Smart Motion Control, Remote Desktop, Remote Keyboard & Mouse, File Transfer, Capture & Send - Wi-Fi Engine for network sharing and connection: Client Mode, AP Mode - Wi-Fi GO! & NFC Remote for portable Smartphone/Tablet, supporting iOS & Android systems - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger+ - USB Charger+ - Anti-Surge - Onboard Button : Power/Reset - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network Control - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-pipe solution - ASUS Fan Xpert 2 - DirectKey - Precision Tweaker 2 - ASUS O.C. Tuner - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS USB BIOS Flashback - ASUS UEFI BIOS EZ Mode - Multi-language BIOS - ASUS Q-Shield - ASUS Q-Code - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector 100% All High-quality Conductive Polymer Capacitors - ASUS C.P.R.(CPU Parameter Recall)

MODEL	Z87I-PRO	Z87-EXPERT	Z87-PRO	Z87-PLUS	Z87-A	Z87-K	Z87M-PLUS
CPU Support	Intel® for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core ™ i3/Pentium®/Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Pentium®/Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core ™ i3/Pentium®/Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core ™ i3/Pentium®/Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core ™ i3/Pentium®/Celeron® Processors
Chipset	Intel® Z87	Intel® Z87	Intel® Z87	Intel® Z87	Intel® Z87	Intel® Z87	Intel® Z87
Memory	2 x DIMM, Max. 16GB, DDR3 3000(O.C.)	4 x DIMM, Max. 32GB, DDR3 3000(O.C.)	4 x DIMM, Max. 32GB, DDR3	4 x DIMM, Max. 32GB, DDR3 3000(O.C.	4 x DIMM, Max. 32GB, DDR3 2933(O.C.)	4 x DIMM, Max. 32GB, DDR3 2933(O.C.)	4 x DIMM, Max. 32GB, DDR3 2933(O.C.)
Multi-GPU Support	N/A	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™ AMD 3-Way CrossFireX™	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™ AMD 3-Way CrossFireX™	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™	AMD Quad-GPU CrossFireX™	AMD Quad-GPU CrossFireX™
Expansion Slots	1 x PCIe 3.0/2.0 x16	3 x PCIe 3.0/2.0 x16 4 x PCIe 2.0 x1	2 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 4 x PCIe 2.0 x1	2 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 2 x PCI	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 3 x PCI	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 3 x PCI	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 2 x PCIe 2.0 x1
Storage	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), yellow	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), yellow ASMedia® ASM1061 controller : 2 x SATA 6Gb/s port(s), dark brown	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), yellow ASMedia® ASM1061 controller : 2 x SATA 6Gb/s port(s), dark brown	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), yellow ASMedia® ASM1061 controller : 2 x SATA 6Gb/s port(s), dark brown	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), yellow	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), yellow	Intel® Z87 chipset : 6 x SATA 6Gb/s port(s), yellow
LAN	Intel® I217V, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN	Realtek® 8111GR, 1 x Gigabit LAN	Realtek® 8111GR, 1 x Gigabit LAN	Realtek® 8111GR, 1 x Gigabit LAN
Graphic	HDMI/DVI-D/RGB/Thunderbolt			HDMI/DVI-D/RGB/Mini	HDMI/DVI/RGB	HDMI/DVI/RGB	HDMI/DVI-D/RGB
Audio	Realtek® ALC1150 8-Channel HD Audio CODEC	Realtek® ALC1150 8-Channel HD Audio CODEC	Realtek® ALC1150 8-Channel HD Audio CODEC	Realtek® ALC892 8-Channel HD Audio CODEC	Realtek® ALC887 8-Channel HD Audio CODEC	Realtek® ALC887 8-Channel High Definition Audio CODEC	Realtek® ALC1150 8-Channel HD Audio CODEC
USB Ports	Intel® Z87 chipset : 6 x USB 3.0/2.0 Intel® Z87 chipset : 6 x USB 2.0/1.1 ASMedia® ASM1042 controller : 2 x USB 3.0/2.0	Intel® Z87 chipset : 6 x USB 3.0/2.0 Intel® Z87 chipset : 8 x USB 2.0/1.1	Intel® Z87 chipset : 4 x USB 3.0/2.0 Intel® Z87 chipset : 8 x USB 2.0/1.1 ASMedia® USB 3.0 controller : 4 x USB 3.0/2.0	Intel® Z87 chipset : 4 x USB 3.0/2.0 ASMedis® USB 3.0 controller : 4 x USB 3.0/2.0 Intel® Z87 chipset : 8 x USB 2.0/1.1	Intel® Z87 chipset : 4 x USB 3.0/2.0 Intel® Z87 chipset : 10 x USB 2.0	Intel® Z87 chipset : 4 x USB 3.0/2.0 Intel® Z87 chipset : 10 x USB 2.0	Intel® Z87 chipset : 4 x USB 3.0/2.0 Intel® Z87 chipset : 8 x USB 2.0/1.1 ASMedia® USB 3.0 4 x USB 3.0/2.0
Special Features	- ASUS DIGI+ VRM - 12 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - Industry leading Digital 12 Phase CPU Power Design - Industry leading Digital 2 Phase DRAM Power Design - ASUS DIGI+ VRM Utility ASUS Wi-Fi GO! - Media Streaming Hub, Smart Motion Control, Remote Desktop, Remote Keyboard & Mouse, File Transfer, Capture & Send Client Mode, AP Mode - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger+ - USB Charger+ - Anti-Surge - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-sink solution & MOS Heatsink - ASUS Fan Xpert 2 - Precision Tweaker 2 - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - Multi-language BIOS - ASUS C.P.R.(CPU Parameter Recall)	- 8 +2 Digital Phase Power Design - TUF Components (Alloy choke, Ti-Cap. & MOSFET; certified by military-standard) - TUF Thermal Armor with Flow Valve - TUF Thermal Radar 2 - Dust Defender - TUF Fortifier - Remote GO! - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger - ESD Guards - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - DirectKey - Precision Tweaker 2 - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - Multi-language BIOS - ASUS Q-Shield - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector	- The tuning key perfectly consolidates ASUS-exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power settling, system performance, power saving and whole system cooling configuration - ASUS DIGI+ VRM - 12 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - EPU switch - Industry leading Digital 12 Phase Power Design - Industry leading Digital 2 Phase DRAM Power Design - ASUS DIGI+ VRM Utility - CPU Power Utility - DRAM Power Utility ASUS Wi-Fi GO! - Cloud GO!, Media Streaming Hub, Smart Sensor Control, Remote Desktop, Remote Keyboard & Mouse, File Transfer, Capture & Send - Wi-Fi Engine for network sharing and connection: Client Mode, AP Mode - Wi-Fi GO! & NFC Remote for portable Smartphone/Tablet, supporting iOS & Android systems - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger+ - USB Charger+ - Anti-Surge - Onboard Button : Power - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-sink solution - ASUS Fan Xpert 2 - DirectKey - Precision Tweaker 2 - ASUS O.C.Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - Multi-language BIOS - ASUS Q-Code - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector 100% All High-quality Conductive Polymer Capacitors - ASUS C.P.R.(CPU Parameter Recall)	- The tuning key perfectly consolidates ASUS-exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power settling, system performance, power saving and whole system cooling configuration - ASUS DIGI + VRM - 8 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - EPU switch - Industry leading Digital 8 Phase CPU Power Design - Industry leading Digital 2 Phase DRAM Power Design - ASUS DIGI+ VRM Utility - CPU Power Utility - DRAM Power Utility - Remote GO! - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger+ - USB Charger+ - Anti-Surge - Onboard Button : Power - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-sink solution - ASUS Fan Xpert 2 - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - Multi-language BIOS - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector 100% All High-quality Conductive Polymer Capacitors - ASUS C.P.R.(CPU Parameter Recall)	- ASUS DIGI+ VRM - Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - TurboV EVO - GPU Boost - AI Suite 3 - Ai Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-sink solution & MOS Heatsink - ASUS Fan Xpert 2 - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Slot	- ASUS DIGI+ VRM - Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - TurboV EVO - GPU Boost - AI Suite 3 - Ai Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-sink solution & MOS Heatsink - ASUS Fan Xpert 2 - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Slot	- ASUS DIGI+ VRM - 4 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - TurboV EVO - GPU Boost - USB BIOS Flashback - MemOK! - AI Suite 3 - USB Charger+ - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-sink solution & MOS Heatsink - ASUS Fan Xpert 2 - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Slot - ASUS Q-DIMM

MODEL	H87-PRO	H87-PLUS	H87M-PLUS	H87M-E	H87I-PLUS	B85M-E	B85M-G	H81M-C
CPU Support	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/ Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/ Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/ Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™i3/Pentium®/ Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/ Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/ Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Celeron® dual-core/ Pentium®/Celeron® Processors	Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Chipset	Intel® H87	Intel® H87	Intel® H87	Intel® Z87	Intel® H87	Intel® B85	Intel® B85	Intel® H81
Memory	4 x DIMM, Max. 32GB, DDR3 1600	4 x DIMM, Max. 32GB, DDR3 1600	4 x DIMM, Max. 32GB, DDR3 1600	4 x DIMM, Max. 32GB, DDR3 3000(O.C.	2 x DIMM, Max. 16GB, DDR3 1600/1333/1066 MHz Non-ECC	4 x DIMM, Max. 32GB, DDR3 1600	4 x DIMM, Max. 32GB, DDR3 1600/1333/1066 MHz Non-ECC	2 x DIMM, Max. 16GB, DDR3 1600/1333/1066 MHz
Multi-GPU Support	AMD Quad-GPU CrossFireX™	AMD Quad-GPU CrossFireX™	AMD Quad-GPU CrossFireX™	NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™	AMD Quad-GPU CrossFireX™	AMD Quad-GPU CrossFireX™	Supports AMD Quad-GPU CrossFireX™	N/A
Expansion Slots	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 3 x PCI	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 3 x PCI	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 2 x PCI	2 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 2 x PCI	1 x PCIe 3.0/2.0 x16	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 (x4 mode) 1 x PCIe 2.0 x1 1 x PCI	1 x PCIe 3.0/2.0 x16 2 x PCIe 2.0 x1	1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 1 x PCI
Storage	Intel® H87 chipset : 6 x SATA 6Gb/s	Intel® H87 chipset : 6 x SATA 6Gb/s	Intel® H87 chipset : 6 x SATA 6Gb/s	Intel® Z87 chipset : 6 x SATA 6Gb/s ASMedia® ASM1061 controller : 2 x SATA 6Gb/s	Intel® H87 chipset : 6 x SATA 6Gb/s	Intel® B85 chipset : 2 x SATA 3Gb/s 4 x SATA 6Gb/s	Intel® B85 chipset : 4 x SATA 6Gb/s port(s), yellow 2 x SATA 3Gb/s port(s), dark brown	Intel® H81 chipset : 2 x SATA 3Gb/s port(s), dark brown 2 x SATA 6Gb/s port(s), yellow
LAN	Realtek® 8111G, 1 x Gigabit LAN	Realtek® 8111G, 1 x Gigabit LAN	Realtek® 8111G, 1 x Gigabit LAN	Intel® I217V, 1 x Gigabit LAN	Intel® I217, 1 x Gigabit LAN	Realtek® 8111F, 1 x Gigabit LAN	Realtek® 8111G, 1 x Gigabit LAN	Realtek® RTL8111G, 1 x Gigabit LAN
Graphic	HDMI/DVI/RGB/DisplayPort	HDMI/DVI-D/RGB ports	HDMI/DVI/RGB ports	HDMI/DVI-D/RGB/Mini	HDMI/DVI/RGB	HDMI/DVI-D/RGB/ DisplayPort	HDMI/DVI/RGB	DVI-D/RGB
Audio	Realtek® ALC887 8-Channel HD Audio CODEC	Realtek® ALC887 8-Channel HD Audio CODEC	Realtek® ALC887 8-Channel HD Audio CODEC	Realtek® ALC892 8-Channel HD Audio CODEC	Realtek® ALC887 8-Channel HD Audio CODEC	Realtek® ALC887-VD 8-Channel HD Audio CODEC	Realtek® ALC1150 8-Channel HD Audio CODEC	Realtek® ALC887-VD 8-Channel HD Audio CODEC
USB Ports	Intel® H87 chipset : 6 x USB 3.0/2.0 Intel® H87 chipset : 8 x USB 2.0/1.1	Intel® H87 chipset : 4 x USB 3.0/2.0 Intel® H87 chipset : 10 x USB 2.0/1.1	Intel® H87 chipset : 6 x USB 3.0/2.0 Intel® H87 chipset : 8 x USB 2.0/1.1	Intel® H87 chipset : 6 x USB 3.0/2.0 Intel® H87 chipset : 8 x USB 2.0/1.1	Intel® H87 chipset : 6 x USB 3.0 Intel® H87 chipset : 8 x USB 2.0/1.1	Intel® B85 chipset : 4 x USB 3.0 Intel® B85 chipset : 8 x USB 2.0	Intel® B85 chipset : 4 x USB 3.0 port(s) Intel® B85 chipset : 8 x USB 2.0 port(s)	Intel® H81 chipset : 2 x USB 3.0 Intel® H81 chipset : 8 x USB 2.0
Special Features	- ASUS DIGI+ VRM - 6 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K - Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - GPU Boost - USB BIOS Flashback - MemOK! - AI Suite 3 - USB Charger+ - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-sink solution & MOS Heatsink - ASUS Fan Xpert 2 - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Shield - ASUS Q-Slot	- ASUS DIGI+ VRM - 4 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - GPU Boost - MemOK! - AI Suite 3 - Ai Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-sink solution & MOS Heatsink - ASUS Fan Xpert 2 - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Slot	- ASUS DIGI+ VRM - 4 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - GPU Boost - AI Suite 3 - Ai Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Stylish Fanless Design Heat-sink solution - ASUS Fan Xpert 2 - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Slot - ASUS Q-DIMM	- The tuning key perfectly consolidates ASUS-exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power settling, system performance, power saving and whole system cooling configuration - ASUS DIGI+ VRM - 8 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - EPU switch - Industry leading Digital 8 Phase CPU Power Design - Industry leading Digital 2 Phase DRAM Power Design - ASUS DIGI+ VRM Utility - CPU Power Utility - DRAM Power Utility - Remote GO! - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger+ - USB Charger+ - Anti-Surge - Onboard Button : Power - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-sink solution - ASUS Fan Xpert 2 - DirectKey - Precision Tweaker 2 - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - Multi-language BIOS - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector 100% All High-quality Conductive Polymer Capacitors - ASUS C.P.R.(CPU Parameter Recall)	- EPU GPU Boost - AI Suite 3 - Ai Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - ASUS Fan Xpert 2 - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS Q-Slot - ASUS Q-DIMM 100% All High-quality Conductive Polymer Capacitors	- ASUS DIGI+ VRM - 3 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU GPU Boost - AI Suite 3 - Ai Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - ASUS Fan Xpert - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 - ASUS Q-Slot - ASUS Q-DIMM - 100% All High-quality Conductive Polymer Capacitors	- EPU - GPU Boost - AI Suite 3 - Ai Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - ASUS Fan Xpert - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 - ASUS Q-Slot 100% All High-quality Conductive Polymer Capacitors

MODEL	H61M-C	M5A99X EVO	M5A97 R2.0	M5A78L-M LX V2	A88X-PRO	A88X-PLUS	A88XM-A	A55BM-E
CPU Support	Intel® Socket 1155 for 3rd/2nd Generation Pentium®/Celeron® Processors	AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors	AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors	AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors	AMD Socket FM2+ Athlon™ /A- Series Processors	AMD Socket FM2+ Athlon ™/A- Series Processors	AMD Socket FM2+ Athlon ™/A- Series Processors	AMD Socket FM2+ Athlon ™/A- Series Processors
Chipset	Intel® H61	AMD 990X/SB950	AMD 970/SB950	AMD 760G (780L)/SB710	AMD A88X (Bolton D4)	AMD A88X (Bolton D4)	AMD A88X (Bolton D4)	AMD A55 FCH (Hudson D2)
Memory	2 x DIMM, Max. 16GB, DDR3 2200(O.C.)	4 x DIMM, Max. 32GB, DDR3 2133(O.C.)	4 x DIMM, Max. 32GB, DDR3 2133(O.C.)	2 x DIMM, Max. 16GB, DDR3 1866(O.C.)	4 x DIMM, Max. 64GB, DDR3 2400(O.C.)	4 x DIMM, Max. 64GB, DDR3 2400(O.C.)	4 x DIMM, Max. 64GB, DDR3 2133	2 x DIMM, Max. 32GB, DDR3 2133
Multi-GPU Support		NVIDIA® Quad-GPU SLI™ AMD Quad-GPU CrossFireX™	AMD Quad-GPU CrossFireX™		Supports AMD 3-Way CrossFireX™	AMD Quad-GPU CrossFireX™		
Expansion Slots	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x1 1 x PCI	2 x PCIe 2.0 x16 1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 1 x PCI	1 x PCIe 2.0 x16 1 x PCIe 2.0 x16 (x4 mode, black) 2 x PCIe 2.0 x1 2 x PCI	1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 1 x PCI	2 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 2 x PCIe 2.0 x1 2 x PCI	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x16 2 x PCIe x1 3 x PCI	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x1 1 x PCI	1 x PCIe 3.0/2.0 x16 1 x PCIe 2.0 x1 1 x PCI
Storage	Intel® H61(B3) chipset : 4 x SATA 3Gb/s	AMD SB950 controller : 6 x SATA 6Gb/s JMicron® JMB362 controller : 2 x SATA 3Gb/s 1 x Power eSATA 3Gb/s 1 x eSATA 3Gb/s	AMD SB950 controller : 6 x SATA 6Gb/s 2 x SATA 3Gb/s 1 x Power eSATA 3Gb/s 1 x eSATA 3Gb/s	AMD SB710 controller : 6 x SATA 3Gb/s	AMD SB710 controller : 6 x SATA 3Gb/s	AMD A88X FCH (Bolton D4) chipset : 8 x SATA 6Gb/s	AMD A88X FCH (Bolton D4) chipset : 6 x SATA 6Gb/s	AMD A55 FCH (Hudson D2) chipset : 6 x SATA 3Gb/s
LAN	Realtek® 8111F, 1 x Gigabit LAN	Realtek® 8111E , 1 x Gigabit LAN	Realtek® 8111F, 1 x Gigabit LAN	Realtek®, 1 x Gigabit LAN	Realtek®, 1 x Gigabit LAN	Realtek® 8111G, 1 x Gigabit LAN	Realtek® 8111G, 1 x Gigabit LAN	Realtek® 8111G, 1 x Gigabit LAN
Graphic	RGB			RGB port	HDMI/DVI/RGB/DisplayPort	HDMI/DVI/RGB	HDMI/DVI/RGB	DVI/RGB
Audio	Realtek® ALC887 8-Channel HD Audio CODEC	Realtek® ALC892 8-Channel HD Audio CODEC	Realtek® ALC887 8-Channel HD Audio CODEC	Realtek® ALC887 8-Channel HD Audio CODEC	Realtek® ALC887 8-Channel HD Audio CODEC	Realtek® ALC887 8-Channel High Definition Audio CODEC	Realtek® ALC887-VD 8-Channel High Definition Audio CODEC	Realtek® ALC887-VD 8-Channel High Definition Audio CODEC
USB Ports	Built-in Controller : 10 x USB 2.0	ASMedia® USB 3.0 controller : 4 x USB 3.0 AMD SB950 controller : 14 x USB 2.0	ASMedia® USB 3.0 controller : 4 x USB 3.0/2.0 12 x USB 2.0/1.1	AMD SB710 controller : 10 x USB 2.0	AMD A88X FCH(Bolton D4) chipset : 4 x USB 3.0 AMD A88X FCH(Bolton D4) chipset : 10 x USB 2.0 ASMedia® ASM1042 controller : 2 x USB 3.0 port(s)	AMD SB710 controller : 10 x USB 2.0	AMD A88X FCH(Bolton D4) chipset : 4 x USB 3.0/2.0 AMD A88X FCH(Bolton D4) chipset : 6 x USB 2.0/1.1	AMD A88X FCH(Bolton D4) chipset : 4 x USB 3.0/2.0 AMD A88X FCH(Bolton D4) chipset : 6 x USB 2.0/1.1
Special Features	- AI Suite II - Ai Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - ASUS Fan Xpert - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 100% All High-quality Conductive Polymer Capacitors	- ASUS Dual Intelligent Processors 2 with DIGI+ VRM - Auto Tuning - TurboV - TPU switch - EPU - EPU switch - Industry leading Digital 6 +2 Phase Power Design - ASUS DIGI+ VRM Utility - MemOK! - AI Suite II - Ai Charger+ - Front Panel USB 3.0 Support - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - USB 3.0 Boost - Stylish Fanless Design Heat-pipe solution - ASUS Fan Xpert - ASUS Q-Shield - ASUS O.C. Profile - ASUS EZ Flash 2 - ASUS MyLogo 2 - Multi-language BIOS - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM - ASUS Q-Connector	- Auto Tuning - TurboV - EPU - 4 +2 Phase Power Design - Remote GO! - USB BIOS Flashback - MemOK! - AI Suite II - Ai Charger+ - Front Panel USB 3.0 - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Stylish Fanless Design Heat-sink solution - ASUS Fan Xpert - DirectKey - Precision Tweaker 2 - ASUS O.C. Profile - ASUS EZ Flash 2 - ASUS MyLogo 2 - Multi-language BIOS - ASUS Q-Slot	- ASUS EPU-4 Engine Turbo Key Core Unlocker - Ai Charger - Anti-Surge - ASUS Q-Fan - ASUS EZ Flash 2 - ASUS MyLogo 2	ASUS Dual Intelligent Processors 4 with 4-Way Optimization : - The tuning key perfectly consolidates ASUS-exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power setting, system performance, power saving and whole system cooling configuration ASUS 5X Protection : - ASUS DIGI+ VRM - 6 + 2 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU switch - GPU Boost - Remote GO! - USB BIOS Flashback - MemOK! - AI Suite 3 - Ai Charger+ - USB Charger+ *4 - Anti-Surge - Low EMI Solution - ESD Guards - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-pipe solution - ASUS Fan Xpert 2 - DirectKey - Precision Tweaker 2 - ASUS O.C. Tuner - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 - ASUS USB BIOS Flashback - ASUS UEFI BIOS EZ Mode - Multi-language BIOS - ASUS Q-Shield - ASUS Q-Code - ASUS Q-Slot - ASUS Q-Connector	- ASUS DIGI+ VRM - 4 +2 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - TurboV EVO - GPU Boost - MemOK! - AI Suite 3 - Ai Charger - Anti-Surge - ESD Guards - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-sink solution & MOS Heatsink - ASUS Fan Xpert - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 - ASUS UEFI BIOS EZ Mode - Multi-language BIOS - ASUS Q-Slot	- ASUS DIGI+ VRM - 3 + 2 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - AI Suite 3 - Ai Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - USB 3.0 Boost - Disk Unlocker - Stylish Fanless Design Heat-sink solution - ASUS Fan Xpert - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 - ASUS Q-Slot	- ASUS 5X Protection : - ASUS DIGI+ VRM - 3 + 1 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating - EPU - AI Suite 3 - Ai Charger - Anti-Surge - ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface - Network iControl - Disk Unlocker - Stylish Fanless Design Heat-sink solution - ASUS Fan Xpert - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 - ASUS Q-Slot

MODEL	MARS760-4GD5	GTX780TI-3GD5	GTX780-DC2OC-3GD5	GTX770-DC2OC-2GD5	GTX760-DC2OC-2GD5	GTX690-4GD5	GTXTITAN-6GD5	GTX670-DCMOC-2GD5
Graphics Engine	NVIDIA GeForce GTX 760x2	NVIDIA GeForce GTX 780 Ti	NVIDIA GeForce GTX 780	NVIDIA GeForce GTX 770	NVIDIA GeForce GTX 760	NVIDIA GeForce GTX 690	NVIDIA GeForce GTX TITAN	NVIDIA GeForce GTX 670
Bus Standard	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0
Video Memory	GDDR5 4GB	GDDR5 3GB	GDDR5 3GB	GDDR5 2GB	GDDR5 2GB	GDDR5 4GB	GDDR5 6GB	GDDR5 2GB
Engine Clock	GPU Boost Clock : 1072 MHz	GPU Boost Clock : 928 MHz	GPU Boost Clock : 941 MHz	GPU Boost Clock : 1110 MHz	GPU Boost Clock : 1072 MHz	GPU Boost Clock : 1019 MHz	GPU Boost Clock : 876 MHz	GPU Boost Clock : 1006 MHz
CUDA Core	2304	2880	2304	1536	1152	3072	2688	1344
Memory Clock	6004 MHz (1501 MHz GDDR5)	7000 MHz (1750 MHz GDDR5)	6008 MHz (1502 MHz GDDR5)	7010 MHz (1752 MHz GDDR5)	6008 MHz (1502 GDDR5)	6008 MHz (1502 MHz GDDR5)	6000 MHz (1500 MHz DDR5)	6008 MHz (1502 MHz GDDR5)
Memory Interface	512-bit	384-bit	384-bit	256-bit	256-bit	512-bit	384-bit	256-bit
Interface	DVI Output : Yes x 2 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 (via DVI to HDMI adaptor x 1) Display Port : Yes x 1 (Mini DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-D), Yes x 2 (DVI-I) HDMI Output : Yes x 1 (via DVI to HDMI adaptor x 1) Display Port : Yes x 1 (Mini DP)	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes
Accessories	1 x DVI to HDMI adaptor 1 x Power cable	1 x Power cable	1 x Power cable 1 x SLI Bridge	1 x Power cable	1 x Power cable	1 x Power cable 1 x DVI to HDMI adaptor	1 x Power cable 1 x DVI to D-Sub adaptor	1 x Power cable
Dimensions	11 " x 4.38 " x 1.6 " Inch	10.8 " x 4.376 " x 1.5 " Inch	11.3 " x 5.8 " x 1.6 " Inch	10.7 " x 5.2 " x 1.6 " Inch	8.6 " x 5 " x 1.5 " Inch	11 " x 4.4 " x 1.9 " Inch	10.5 " x 4.376 " x 1.5 " Inch	6.7 " x 4.8 " x 1.6 " Inch
ASUS FEATURES	ROG GPU Tweak & Driver	ASUS GPU Tweak & Driver	DirectCU Series OC Series Super Alloy Power	DirectCU Series OC Series Super Alloy Power	DirectCU Series OC Series Super Alloy Power	Fan Sink	Fan Sink	DirectCU Mini Series OC Series

MODEL	GTX660-DC2O-2GD5	GTX650TIB-DC2OC-2GD5	GTX650-E-2GD5	GT640-1GD5-L	GT630-SL-2GD3-L	GT610-SL-2GD3-L	EN210 SILENT/DI/1GD3/V2(LP)
Graphics Engine	NVIDIA GeForce GTX 660	NVIDIA GeForce GTX 650 Ti Boost	NVIDIA GeForce GTX 650	NVIDIA GeForce GT 640	NVIDIA GeForce GT 630	NVIDIA GeForce GT 610	NVIDIA GeForce 210
Bus Standard	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0	PCI Express 2.0	PCI Express 2.0	PCI Express 2.0	PCI Express 2.0
Video Memory	GDDR5 2GB	GDDR5 2GB	GDDR5 2GB	GDDR5 1GB	GDDR3 2GB	GDDR3 2GB	GDDR3 1GB
Engine Clock	GPU Boost Clock : 1085 MHz	GPU Boost Clock : 1085 MHz	1071 MHz	1046 MHz	902 MHz	810 MHz	589 MHz
CUDA Core	960	768	384	384	384		
Memory Clock	6008 MHz (1502 MHz GDDR5)	6008 MHz (1502 MHz GDDR5)	5000 MHz (1250 MHz GDDR5)	5010 MHz (1252 MHz GDDR5)	1500 MHz (1800 MHz GDDR3)	1200 GHz (600 MHz DDR3)	1200 MHz (600 MHz DDR3)
Memory Interface	192-bit	192-bit	128-bit	128-bit	64-bit	64-bit	64-bit
Interface	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	D-Sub Output : Yes x 1 DVI Output : Yes x 1 (DVI-D) HDMI Output : Yes x 1 HDCP Support : Yes	D-Sub Output : Yes x 1 DVI Output : Yes x 1 (DVI-D) HDMI Output : Yes x 1 HDCP Support : Yes	D-Sub Output : Yes x 1 DVI Output : Yes x 1 (DVI-D) HDMI Output : Yes x 1 HDCP Support : Yes	D-Sub Output : Yes x 1 DVI Output : Yes x 1 HDMI Output : Yes x 1 HDCP Support : Yes	D-Sub Output : Yes x 1 DVI Output : Yes x 1 (DVI-I) HDMI Output : Yes x 1
RAMDAC						400 MHz	400 MHz
Dimensions	10.2 " x 5.2 " x 1.5 " Inch	8.46 " x 4.8 " x 1.49 " Inch	7.79 " x 4.54 " x 1.54 " Inch	5.7 " x 2.71 " x 1.04 " Inch	5.39 " x 2.71 " x 1.18 " Inch	7.3 " x 4.7 " x 1.6 " Inch	7 " x 4.76 " Inch
ASUS FEATURES	DirectCU Series OC Series Super Alloy Power	DirectCU Series OC Series Super Alloy Power	Fan Sink	Fan Sink Super Alloy Power	Super Alloy Power Silent Series	Super Alloy Power Silent Series	Silent Series

MODEL	R9290X-4GD5	R9290-4GD5	MATRIX-R9280X -P-3GD5	R9280X-DC2T -3GD5	R9270X-DC2T -2GD5	R9270-DC2OC -2GD5	R7260X-DC2OC -2GD5	R7250-1GD5
Graphics Engine	AMD Radeon R9 290X	AMD Radeon R9 290	AMD Radeon R9 280X	AMD Radeon R9 280X	AMD Radeon R9 270X	AMD Radeon R9 270	AMD Radeon R7 260X	AMD Radeon R7 250
Bus Standard	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0	GDDR5 3GB	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0
Video Memory	GDDR5 4GB	GDDR5 4GB	GDDR5 3GB	GDDR5 2GB	GDDR5 2GB	GDDR5 2GB	GDDR5 2GB	GDDR5 1024MB
Engine Clock	1000 MHz	947 MHz	GPU Boost Clock : 1100 MHz	GPU Boost Clock : 1070 MHz	GPU Boost Clock : 1120 MHz	GPU Boost Clock : 975 MHz	1188 MHz	GPU Boost Clock : 1050 MHz
Memory Clock	5000 MHz (1250 GDDR5)	1250 MHz (GDDR5)	6400 MHz (1600 MHz GDDR5)	6400 MHz (1600 MHz GDDR5)	5600 MHz (1400 MHz GDDR5)	5600 MHz (1400 MHz GDDR5)	7000 MHz (1750 MHz GDDR5)	4600 MHz (1150 MHz GDDR5)
Memory Interface	512-bit	512-bit	384-bit	384-bit	256-bit	256-bit	128-bit	128-bit
Interface	DVI Output : Yes x 2 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	DVI Output : Yes x 2 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 (via DVI to HDMI adaptor x 1) Display Port : Yes x 4 (Regular DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	D-Sub Output : Yes x 1 (via DVI to D-Sub adaptor x 1) DVI Output : Yes x 2 HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	D-Sub Output : Yes x 1 DVI Output : Yes x 1 (DVI-D) HDMI Output : Yes x 1 HDCP Support : Yes
Accessories			1 x CrossFire cable 1 x DVI to HDMI adaptor	1 x CrossFire cable	1 x Power cable 1 x CrossFire cable	1 x CrossFire cable 1 x DVI to D-Sub adaptor	1 x CrossFire cable 1 x DVI to D-Sub adaptor	
Dimensions	10.9 " x 4.3 " x 1.4 " Inch	10.9 " x 4.3 " x 1.4 " Inch	11.2 " x 5.7 " x 2.1 " Inch	11.2 " x 5.7 " x 1.5 " Inch	10.7 " x 5.24 " x 1.578 " Inch	9.2 " x 4.9 " x 1.5 " Inch	8.5 " x 5.1 " x 1.5 " Inch	16 x 11.1 x3.4 Centimeter
ASUS FEATURES	ASUS GPU Tweak & Driver		Matrix Series Super Alloy Power	DirectCU Series TOP Series Super Alloy Power	DirectCU Series TOP Series Super Alloy Power	DirectCU Series OC Series Super Alloy Power	DirectCU Series OC Series Super Alloy Power	ASUS GPU Tweak & Driver Super Alloy Power

MODEL	R7240-2GD3-L	HD7990-6GD5	HD7790-DC2OC -1GD5	HD7770-DCT -1GD5	HD7750-T-1GD5	HD6570-2GD3-L	EAH5450 SILENT /DI/1GD3(LP)
Graphics Engine	AMD Radeon R7 240	AMD Radeon HD 7990	AMD Radeon HD 7790	AMD Radeon HD 7770	AMD Radeon HD 7750	AMD Radeon HD 6570	AMD Radeon HD 5450
Bus Standard	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0	PCI Express 3.0	PCI Express 2.1	PCI Express 2.1
Video Memory	GDDR3 2GB	GDDR5 6GB	GDDR5 1GB	GDDR5 1GB	GDDR5 1GB	DDR3 2GB	DDR3 1GB
Engine Clock	GPU Boost Clock : 780 MHz	1000 MHz	1075 MHz	1120 MHz	900 MHz	650 MHz	650 MHz
Memory Clock	1800 MHz (900 MHz DDR3)	6000 MHz (1500 MHz GDDR5)	6400 MHz (1600 MHz GDDR5)	4600 MHz (1150 MHz GDDR5)	4.6 GHz (1150 MHz GDDR5)	1200 MHz (600 MHz GDDR3)	900 MHz (450 MHz GDDR3)
Memory Interface	128-bit	384-bit x2	128-bit	N/A	128-bit	128-bit	64-bit
Interface	D-Sub Output : Yes x 1 DVI Output : Yes x 1 (DVI-D) HDMI Output : Yes x 1 HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I) Display Port : Yes x 4 (Mini DP) HDCP Support : Yes	DVI Output : Yes x 1 (DVI-I), Yes x 1 (DVI-D) HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	D-Sub Output : Yes x 1 (via DVI to D-Sub adaptor x 1) DVI Output : Yes x 2 HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	D-Sub Output : Yes x 1 (via DVI to D-Sub adaptor x 1) DVI Output : Yes x 1 HDMI Output : Yes x 1 Display Port : Yes x 1 (Regular DP) HDCP Support : Yes	D-Sub Output : Yes x 1 DVI Output : Yes x 1 (DVI-D) HDMI Output : Yes x 1 HDCP Support : Yes	D-Sub Output : Yes x 1 DVI Output : Yes x 1 (DVI-I) HDMI Output : Yes x 1 HDCP Support : Yes
Accessories		1 x CrossFire cable 1 x DVI to HDMI adaptor 1 x Mini DP to DVI adaptor	1 x CrossFire cable 1 x DVI to D-Sub adaptor	1 x CrossFire cable 1 x DVI to D-Sub adaptor	1 x DVI to D-Sub adaptor	1 x Power cable 1 x DVI to HDMI adaptor	1 x Power cable 1 x DVI to D-Sub adaptor
Dimensions	15.9 x 11.1 x2 Centimeter	12 " x 4.375 " x 1.45 " Inch	8.5 " x 5.1 " x 1.5 " Inch	9.3 " x 5.5 " x 1.7 " Inch	7.8 " x 5 " x 1.7 " Inch	6.6 " x 4.6 " Inch	7 " x 5.43 " x 0.76 " Inch
ASUS FEATURES	Super Alloy Power	Fan Sink	DirectCU Series OC Series	DirectCU Series TOP Series Super Alloy Power	Fan Sink TOP Series Super Alloy Power	Fan Sink Super Alloy Power	Silent Series

MODEL	VS197DE	VS207DE	VS228N	VX228H	VX239H	MX279H
Display	Panel Size: Wide Screen 18.5"(47.0cm) 16:9 True Resolution : 1366x768 Pixel Pitch : 0.3mm Brightness(Max) : 200 cd/ ㎡ ASUS Smart Contrast Ratio (ASCR) : 50000000:1 Viewing Angle (CR≧10) : 90°(H)/65°(V) Response Time : 5ms Display Colors : 16.7M	Panel Size: Wide Screen 19.5"(49.5cm) 16:9 True Resolution : 1600x900 Pixel Pitch : 0.270mm Brightness(Max) : 200 cd/ ㎡ ASUS Smart Contrast Ratio (ASCR) : 80000000:1 Viewing Angle (CR≧10) : 90°(H)/65°(V) Response Time : 5ms Display Colors : 16.7M	Panel Size: Wide Screen 21.5"(54.6cm) 16:9 True Resolution : 1920x1080 Full HD 1080P : Yes Pixel Pitch : 0.248mm Brightness(Max) : 250 cd/ ㎡ ASUS Smart Contrast Ratio (ASCR) : 50000000:1 Viewing Angle (CR≧10) : 170°(H)/160°(V) Response Time : 5ms Display Colors : 16.7M	Panel Size: Wide Screen 21.5"(54.6cm) 16:9 True Resolution : 1920x1080 Full HD 1080P : Yes Pixel Pitch : 0.248mm Brightness(Max) : 250 cd/ ㎡ ASUS Smart Contrast Ratio (ASCR) : 80000000:1 Viewing Angle (CR≧10) : 170°(H)/160°(V) Response Time : 1ms (Gray to Gray) Display Colors : 16.7M	Panel Size: Wide Screen 23.0"(58.4cm) 16:9 Panel Type : AH-IPS True Resolution : 1920x1080 Full HD 1080P : Yes Pixel Pitch : 0.2652mm Brightness(Max) : 250 cd/ ㎡ ASUS Smart Contrast Ratio (ASCR) : 80000000:1 Viewing Angle (CR≧10) : 178°(H)/178°(V) Response Time : 5ms (GTG σ) Display Colors : 16.7M	Panel Size: Wide Screen 27.0"(68.6cm) 16:9 Panel Type : AH-IPS True Resolution : 1920x1080 Full HD 1080P : Yes Pixel Pitch : 0.311mm Brightness(Max) : 250 cd/ ㎡ ASUS Smart Contrast Ratio (ASCR) : 80000000:1 Viewing Angle (CR≧10) : 178°(H)/178°(V) Response Time : 5ms (Gray to Gray) Display Colors : 16.7M
Video Feature	SPLENDID Video Intelligence Technology SPLENDID Video Preset Modes : 6 Modes (sRGB Mode/Scenery Mode/Theater Mode/Standard Mode/Night View Mode/Game Mode) Skin-Tone Selection : 3 Modes Color Temperature Selection : 4 Modes	SPLENDID Video Intelligence Technology SPLENDID Video Preset Modes : 6 Modes Skin-Tone Selection : 3 Modes Color Temperature Selection : 4 Modes QuickFit (modes) : Yes (Alignment Grid/Photo Modes)	SPLENDID Video Intelligence Technology SPLENDID Video Preset Modes : 6 Modes Skin-Tone Selection : 3 Modes Color Temperature Selection : 4 Modes HDCP support	Trace Free Technology SPLENDID Video Intelligence Technology SPLENDID Video Preset Modes : 6 Modes (sRGB Mode/Scenery Mode/Theater Mode/Standard Mode/Night View Mode/Game Mode) Skin-Tone Selection : 3 Modes Color Temperature Selection : 4 Modes QuickFit (modes) : Yes (Letter/Alignment Grid/Photo Modes) GamePlus(modes) : Yes (Aimpoint/Timer) HDCP support	SPLENDID Video Intelligence Technology SPLENDID Video Preset Modes : 6 Modes (sRGB Mode/Scenery Mode/Theater Mode/Standard Mode/Night View Mode/Game Mode) Skin-Tone Selection : 3 Modes Color Temperature Selection : 4 Modes QuickFit (modes) : Yes (Letter/Alignment Grid/Photo Modes) GamePlus(modes) : Yes (Aimpoint/Timer) HDCP support	Trace Free Technology SPLENDID Video Intelligence Technology SPLENDID Video Preset Modes : 6 Modes (sRGB Mode/Scenery Mode/Theater Mode/Standard Mode/Night View Mode/Game Mode) Skin-Tone Selection : 3 Modes Color Temperature Selection : 4 Modes QuickFit (modes) : Yes (Letter/A4/Alignment Grid/Photo Modes) HDCP support
Convenient Hotkey	SPLENDID Video Preset Mode Selection Auto. Adjustment Brightness Adjustment QuickFit	SPLENDID Video Preset Mode Selection Auto. Adjustment Brightness Adjustment QuickFit	SPLENDID Video Preset Mode Selection Auto. Adjustment Brightness Adjustment Contrast Adjustment	SPLENDID Video Preset Mode Selection Auto. Adjustment Brightness Adjustment Volume Adjustment Input Selection QuickFit	SPLENDID Video Preset Mode Selection Auto. Adjustment Brightness Adjustment Volume Adjustment Input Selection QuickFit	SPLENDID Video Preset Mode Selection Auto. Adjustment Brightness Adjustment Volume Adjustment Input Selection QuickFit
					Stereo Speakers : 1W x 2 Stereo RMS	Stereo Speakers : 3W x 2 Stereo RMS with Bang & Olufsen ICEpower®
I/O Ports	Signal Input : D-Sub	Signal Input : D-Sub	Signal Input : D-Sub, DVI-D	Signal Input : HDMI x 2, D-Sub PC Audio Input : 3.5mm Mini-Jack AV Audio Input : HDMI Earphone jack : 3.5mm Mini-Jack	Signal Input : HDMI/MHLx 2, D-Sub PC Audio Input : 3.5mm Mini-Jack AV Audio Input : HDMI Earphone jack : 3.5mm Mini-Jack	Signal Input : HDMI x 2, D-Sub, DVI-D (via HDMI-to-DVI cable) PC Audio Input : 3.5mm Mini-Jack AV Audio Input : Earphone jack : 3.5mm Mini-Jack
Signal Frequency	Analog Signal Frequency : 30~80 KHz(H)/ 55~75 Hz(V)	Analog Signal Frequency : 30~80 KHz(H)/ 55~75 Hz(V)	Analog Signal Frequency : 30~80 KHz(H)/ 55~75 Hz(V) Digital Signal Frequency : 30~80 KHz(H)/ 55~75 Hz(V)	Analog Signal Frequency : 30~80 KHz(H)/ 56~76 Hz(V) Digital Signal Frequency : 30~80 KHz(H)/ 56~76 Hz(V)	Analog Signal Frequency : 30~80 KHz(H)/ 56~76 Hz(V) Digital Signal Frequency : 30~80 KHz(H)/ 56~76 Hz(V)	Analog Signal Frequency : 30~80 KHz(H)/ 56~76 Hz(V) Digital Signal Frequency : 30~80 KHz(H)/ 56~76 Hz(V)
Power Consumption	Power ON < 13.8W* Power Saving Mode < 0.5W Power Off Mode < 0.5W	Power Consumption < 16.4 W* Power Saving Mode < 0.5 W Power Off Mode < 0.5 W	Power On Mode:<21.1W* Power Savinf Mode: <0.5W Power Off Mode: <0.5W	Power Consumption(Typical):<20.21W* Power Saving Mode:<0.5W Power Off Mode: <0.5W Voltage: 100-240V,50/60Hz	Power Consumption:<22W* Power Saving Mode:<0.5W Power Off Mode:<0.5W Voltage: 100-240V/50-60Hz	Power Consumption:<29.1W* Power Saving Mode:<0.5W Power Off Mode:<0.5W Voltage: 100-240V/50-60Hz
Mechanical Design	Chassis Colors : Black Tilt : +20°~-5° VESA Wall Mounting : 75x75mm Slim Design : Yes	Chassis Colors : Black Tilt : +20°~-5° VESA Wall Mounting : 75x75mm	Chassis Colors : Black Tilt : +20°~-5° VESA Wall Mounting : 100x100mm	Chassis Colors : Black Tilt : +20°~-5° Slim Design : Yes	Chassis Colors : Black Tilt : +20°~-5° Slim Design : Yes	Chassis Colors : Silver+Black Tilt : +20°~-5° Slim Design : Yes
Dimensions	Phys. Dimension with Stand (WxHxD) : 447x346x185mm Box Dimension (WxHxD) : 495x421x114mm	Phys.Dimension(WxHxD): 468.0x355.5x185.0mm Box Dimension(WxHxD): 530x412x115mm	Phys. Dimension with Stand(WxHxD): 514.1x385.5x200mm Box Dimension (WxHxD):566x443 x130 mm	Phys. Dimension with Stand(WxHxD):514.9x385.9x210 mm Box Dimension (WxHxD):480x568x122 mm	Phys. Dimension with Stand(WxHxD):532.9x389.8x210.1mm Box Dimension(WxHxD):600x493x125mm	Phys. Dimension with Stand(WxHxD):622.6x441.3x225.2mm Box Dimension(WxHxD):700x537x114mm
Weight	Net Weight (Esti.) : 2.6kg Gross Weight (Esti.) :3.9kg	Net Weight (Esti.): 2.59 kg Gross Weight (Esti.): 3.99 kg	Net Weight (Esti.): 3.1kg Gross Weight (Esti.):5.2kg	Net Weight(Esti.):2.4kg Gross Weight(Esti.):4.1kg	Net Weight(Esti.):3.8kg Gross Weight(Esti.):5.7kg	Net Weight(Esti.):5.2kg Gross Weight(Esti.):8.0kg
Accessories	VGA cable Power cord Quick start guide Warranty Card	VGA cable Power cord Quick start guide Warranty Card	DVI cable VGA cable Power cord Quick start guide Warranty Card	VGA cable Audio cable Power cord Power adapter Quick start guide HDMI-to-DVI cable *1 HDMI cable *2 Warranty Card	VGA cable Audio cable Power cord Power adapter Quick start guide HDMI-to-DVI cable *1 HDMI cable *2 Warranty Card MHL cable *3	VGA cable Audio cable Power cord Power adapter Quick start guide HDMI-to-DVI cable Warranty Card