



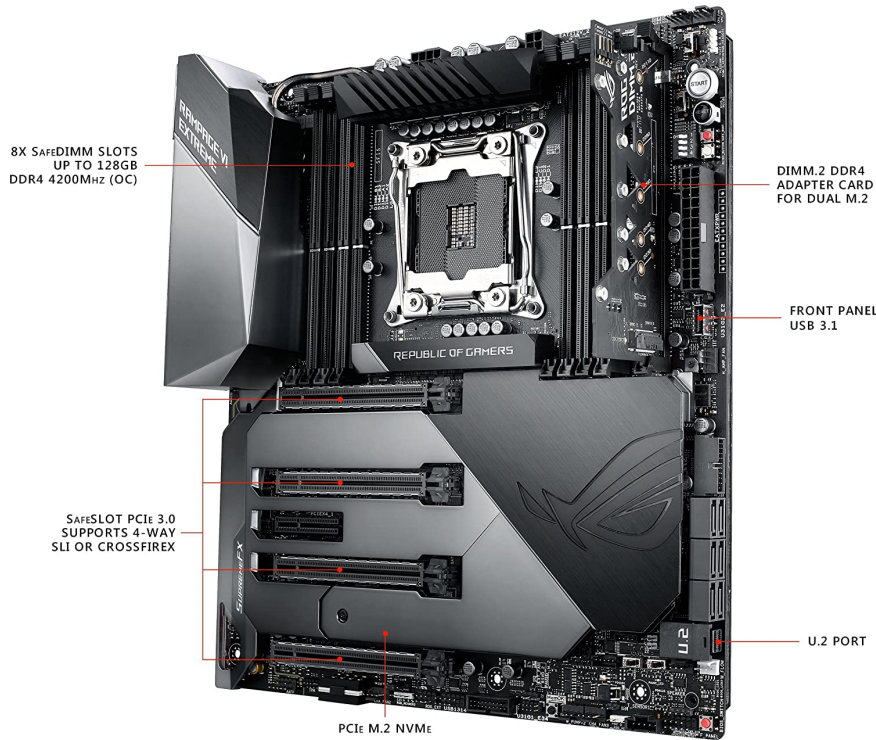
ASUS Republic of Gamers Rampage VI Extreme LGA 2066 Extended ATX Motherboard

\$749.99

Product Images

Built for Connectivity & Speed

Maximize data transfer speeds | USB 3.1 | U.2 | 3x M.2 NVMe



Unmatched Personalization

Featuring AURA Sync RGB lighting, additional RGB headers, and ROG LiveDash OLED.



Maximum OC Performance

5-Way Optimization featuring Auto Tuning with Fan Xpert 4 and liquid cooling controls.



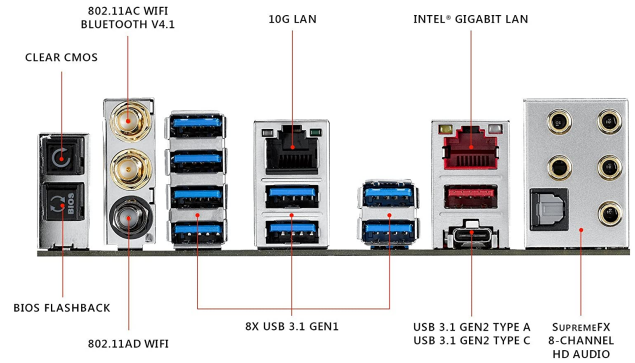
Ready for Battle

Reinforced back plate with VGA holder for heavyweight OC system builds



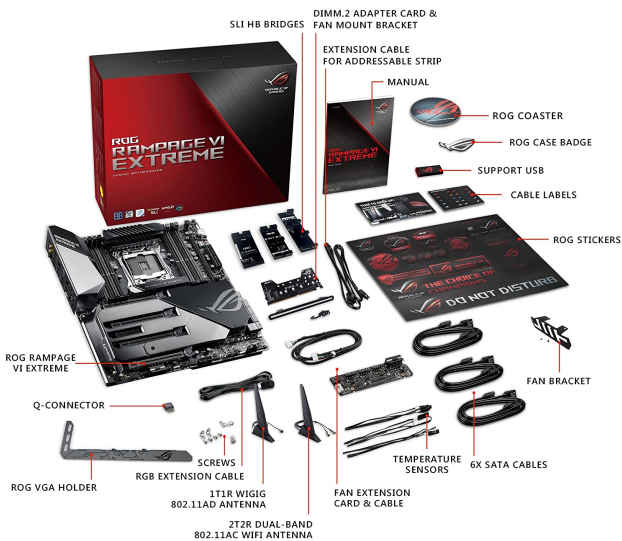
Extreme Gaming Connectivity

Including USB 3.1, 802.11AD WIFI, On-board 10Gbps, Intel® Gigabit LAN and SupremeFX 8-Channel HD Audio



What's in the Box

Exclusive ROG Rampage VI Extreme Motherboard Bundle



Short Description

Built for gaming performance, the ROG Rampage VI Extreme features 5-Way Optimization with integrated watercooling zone for advanced overclocking

Description

ROG Rampage VI Extreme

Built for gaming performance, the ROG Rampage VI Extreme features 5-Way Optimization with integrated watercooling zone for advanced overclocking, 10G LAN and 802.11AD WiGig WiFi for the future of wireless VR.

Innovative vertically mounted M.2 drives via DIMM.2 provide optimized cooling while AURA Sync RGB lighting offers unlimited personalization.

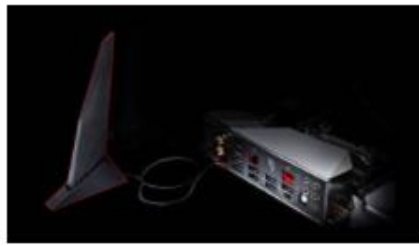
Features

Features



Next-Gen Connectivity

The Rampage VI Extreme has provision for three M.2 drives to make the most of Intel'sIRST and VROC options. ROG DIMM.2 module is an innovative expansion card that allows two M.2 drives to be connected via a DDR4 interface.



High-Performance Networking

Rampage VI Extreme is engineered with the very latest 802.11ad (WiGig) Wi-Fi for ultrafast, lag-free wireless connections of up to 4.6Gbps, delivering smooth streaming of 4K UHD video and faster, slicker online experiences, and future wireless VR.



DIY Friendly Design

ROG's I/O shield is capable of withstanding electrostatic discharge up to 12kV, and is pre-fitted to make it even easier to install the motherboard. ROG VGA holder is crafted from a single piece of strong sheet metal and is capable of supporting up to 15 kg of weight, providing serious support for even the heaviest graphics card.



Outshine the Competition
ASUS Aura offers full RGB lighting control with a variety of functional presets for the built-in RGB LEDs as well as strips connected to the onboard RGB headers.



ROG Elite Rewards

Become a member of the ROG Elite Rewards program and earn points for being an active Republic of Gamers fan. There are many ways to earn points including purchasing ROG gear, and a selection of rewards that can be redeemed with points, tailored to the ROG community.

Specifications

CPU

Intel® Socket 2066 Core™ X-Series Processor 79xx, 78xx Series Processors

Supports Intel® Virtual RAID on CPU (VROC)

Supports Intel® Turbo Boost Max Technology 3.0

* The Intel® Turbo Boost Technology 3.0 Support Depends on the CPU types.

Supports Intel® 14nm CPU

* Refer to www.asus.com for CPU support list

Chipset

Build in Intel® X299

Memory

8 x DIMM, Max. 128GB, DDR4

4200(O.C.)/4133(O.C.)/4000(O.C.)/3866(O.C.)/3733(O.C.)/3600(O.C.)/3333(O.C.)/3300(O.C.)/3200(O.C.)/3000(O.C.)/2800(O.C.)/2666(O.C.)/2400(O.C.)/2133 MHz Non-ECC, Un-buffered Memory

Quad Channel Memory Architecture

Supports Intel® Extreme Memory Profile (XMP)

* Hyper DIMM support is subject to the physical characteristics of individual CPUs.

** Refer to www.asus.com for the Memory QVL (Qualified Vendors Lists).

Multi-GPU Support

Supports NVIDIA® 4-Way SLI™ Technology *

Supports AMD 4-Way CrossFireX Technology *

* 28-LANE CPUs can only support up to 3-Way SLI™/ 3-Way CrossFireX™

Supports NVIDIA® 2-Way SLI™ Technology

Supports AMD 2-Way CrossFireX Technology

Supports NVIDIA® 3-Way SLI™ Technology

Supports AMD 3-Way CrossFireX™ Technology

Expansion Slots

4 x PCIe 3.0 x16 (x16, x16/x16, x16/x0/x16/x8, or x16/x8/x8/x8 mode with 44-LANE CPU; x16, x16/x8 or x8/x8/x8 mode with 28-LANE CPU) *

* When M.2_2(DIMM.2) is populated, PCIe x8_4 runs at x4 mode

* The PCIe_X8_4 slot shares bandwidth with M.2_2(DIMM.2)

1 x PCIe 3.0 x4

Storage

1 x ROG DIMM.2 Module support(CPU_DIMM.2), M.2 X4 with M Key design, type 2230/2242/2260/2280/22110 storage devices support (Support PCIE SSD only)*¹

1 x ROG DIMM.2 Module support(PCH_DIMM.2), M.2 X4 with M Key design, type 2230/2242/2260/2280/22110 storage devices support (Support PCIE SSD only)*²

1 x U.2 port, , support PCIe 3.0 x4 NVM Express storage

Intel® Rapid Storage Technology 15 support

Supports Intel® Smart Response Technology

Intel® Core™ X-series Processors (6-core above) :

6 x SATA 6Gb/s port(s),

Intel® X299 Chipset :

1 x M.2 Socket 3, with M key, type 2242/2260/2280 storage devices support (both SATA & PCIE mode)

Support Raid 0, 1, 5, 10

Intel® Optane™ Memory Ready

LAN

Intel® I219V, Dual interconnect between the Integrated Media Access Controller (MAC) and Physical Layer (PHY)

Aquantia AQC-107 10G

Anti-surge LANGuard

ROG GameFirst Technology

Wireless Data Network

Up to 4600Mbps transfer speed
Supports dual band frequency 2.4/5 GHz
Supports MU-MIMO
Bluetooth

Bluetooth V4.1

Audio

- Sonic Studio III
- ESS®SABRE9018Q2C DAC/AMP
- LED-illuminated design - Brighten up your build with the gorgeous illuminated audio trace path.
- ROG SupremeFX8-Channel High Definition Audio CODEC S1220
- Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking
- High quality120dBSNR stereo playback outputand113dBSNR recording input
- SupremeFX Shielding Technology

- Sonic Radar III

Audio Feature :

- Optical S/PDIF out port(s) at back panel

USB Ports

Intel® X299 Chipset : *³

2 x USB 2.0 port(s)

8 x USB 3.1 Gen 1 port(s) (at back panel,)

2 x USB 3.1 Gen 2 port(s) (2 at back panel,)

Intel® X299 Chipset :

ASMedia® USB 3.1 Gen 1 controller :

4 x USB 3.1 Gen 1 port(s) (4 at mid-board)

1 x USB 3.1 Gen 2 front panel connector port(s)

ASMedia® USB 3.1 Gen 2 controller :

ROG Exclusive Features

- One-click Overclocking

- DirectKey

KeyBot II

- X.M.P.

- ClrCMOS

- Power On

MemOK! Button

- NexFET™ Power Block MOSFET

ROG RAMCache II

GameFirst IV

- GPU.DIMM Post

ROG CPU-Z

ROG CloneDrive

Pre-mounted I/O Shield

Overwolf

Safe Boot Button

Clear CMOS button

ReTry Button

LN2 Mode

Probelt

Start Button

Reset Button

ROG Aura

Extreme Engine Digi+ :

- MicroFine Alloy Chokes
- 10K Black Metallic Capacitors

UEFI BIOS features :

- Tweakers´ Paradise
- ROG SSD Secure Erase
- Graphic Card Information Preview

Special Features

ASUS Wi-Fi GO!

- USB 3.1 Boost

SafeDIMM slot

Performance Optimization :

- DIGI + VRM
- GPU Boost
- Fan Xpert 4 featuring Fan Auto Tuning function and multiple thermistors selection for optimized system cooling control

Turbo App

OC Design - ASUS PRO Clock II Technology

Digi+VRM

ASUS Dual Intelligent Processors 5-Way Optimization by Dual Intelligent Processors 5 :

- 5-Way Optimization tuning key perfectly consolidates TPU, EPU, DIGI+ VRM, Fan Expert 4, and Turbo App

LiveDash OLED

- ASUS Q-Connector

Gamer´ s Guardian:

- Stainless Steel Back I/O
- SafeSlot

ASUS Quiet Thermal Solution :

- ASUS Fan Xpert 4

ASUS Q-Design :

- ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED)
- ASUS Q-Slot
- ASUS Q-DIMM

ASUS Exclusive Features :

- Ai Charger
- AI Suite 3

Back I/O Ports

8 x USB 3.1 Gen 1 ,

2 x USB 3.1 Gen 2

5 x LED-illuminated audio jacks

1 x Aquantia AQC-107 10G LAN port

1 x Clear CMOS button(s)

1 x USB BIOS Flashback® Button(s)

1 x LAN (RJ45) port(s)

1 x Optical S/PDIF out

Internal I/O Ports

1 x Probel Measurement Points

1 x Aura RGB Strip Headers
1 x 4-pin EATX 12V_1 Power connector(s)
1 x ROG extension (ROG_EXT) header(s)
1 x 8-pin EATX 12V Power connector
1 x 5-pin EXT_FAN(Extension Fan) connector
1 x Thunderbolt header(s)
1 x PCIe x16 lane switch
1 x USB 2.0 connector(s) support(s) additional 2 USB 2.0 port(s)
2 x T_Sensor Connector
1 x W_PUMP+ 1
1 x W_PUMP+ 2
1 x Aura Addressable Strip Header(s)
1 x VROC_HW_Key
1 x WB_SENSOR
2 x USB 3.1 Gen 1(up to 5Gbps) connector(s) support(s) additional 4 USB 3.1 Gen 1 port(s)
1 x BIOS Switch button(s)
1 x USB 3.1 Gen 2 front panel connector
1 x M.2 Socket 3 with M Key, type 2242/2260/2280 storage devices support (SATA mode & X4 PCIE mode)
6 x SATA 6Gb/s connector(s)
1 x LN2 Mode jumper(s)
1 x Start button
1 x TPM connector(s)
1 x H_AMP fan connector
1 x Slow Mode switch(es)
1 x Safe Boot button
1 x ReTry button
1 x W_IN header
1 x W_OUT header
1 x W_FLOW header
1 x System panel connector
1 x CPU Fan connector(s)
1 x CPU OPT Fan connector(s)
3 x Chassis Fan connector(s)
1 x 24-pin EATX Power connector(s)
1 x Front panel audio connector(s) (AAFP)

Accessories

1 x ASUS WiGig 802.11ad moving antenna *4
1 x ROG VGA Holder
1 x ROG DIMM.2 Fan Stand Pack (s)
1 x MOS fan bracket kit
1 x Fan Extension Card (3 x 4-pin fan out)
1 x Fan Extension card screw pack
1 x Fan Extension card cable
1 x 10-in-1 ROG cable label
1 x 3-Way SLI bridge(s)
1 x 4-Way SLI bridge(s)
1 x SLI HB BRIDGE(2-WAY-L)
3 x M.2 Screw Package
6 x SATA 6Gb/s cable(s)
3 x Thermistor cable(s)

1 x ROG logo plate sticker
1 x ROG big sticker
1 x Q-Connector
1 x ROG coaster(s)

User's manual
BIOS

2 x 128 Mb Flash ROM, UEFI AMI BIOS, PnP, WfM2.0, SM BIOS 3.0, ACPI 6.0, Multi-language BIOS, ASUS EZ Flash 3, CrashFree BIOS 3, F11 EZ Tuning Wizard, F6 Qfan Control, F3 My Favorites, Last Modified log, F12 PrintScreen, and ASUS DRAM SPD (Serial Presence Detect) memory information.

Manageability

WfM 2.0, WOL by PME, PXE
Operating System

Windows® 10 64-bit
Form Factor

Extended ATX Form Factor
12 inch x 10.9 inch (30.5 cm x 27.7 cm)
Note

*1 When M.2_1(DIMM.2) comes from CPU, it will be shared with U.2 *2 When M.2_1(DIMM.2) comes from PCH, It will be shared withPCIex4slot. *3 1 x USB 2.0 header support additional 2 x USB 2.0 ports [one connector via ROG_EXT header] *4 Wi-Fi 802.11ad(WiGig) is only available in certified countries

Additional Information

Brand	ASUS
SKU	90MB11K0-M0AAY0
Weight	7.5000
Processor Manufacturer	Intel
Vendor SKU/EAN	192876478141

