

ASUS WS C422 SAGE/10G LGA2066 ECC DDR4 M.2 U.2 C422 ATX Motherboard for Intel® Xeon® W-Series Processors with SafeSlot, Dual 10G LAN and USB 3.1 Type A / C



- Designed for 7th generation LGA2066 socket Intel® Xeon® W-Series processors with dual M.2 and U.2 ports, front panel USB 3.1 Gen2, Dual Intel® 10G LAN, support for ECC DDR4, Thunderbolt 3 via add-on card, Intel® VROC and Intel® Optane™ Memory compatibility.
- Patent-pending SafeSlot features an injection molding process that integrates metal framing for stronger, firmly anchored PCIe slots built for heavyweight GPUs, ideal for supporting 4-Way NVIDIA®SLI® or AMD® CrossfireX™
- Industry-leading 8-channel HD audio enhanced by ASUS exclusive Realtek S1220A featuring Crystal Sound 3, DTS Headphone:X and driven by Japanese capacitors for warm, immersive sound
- AURA Sync RGB lighting via Addressable RGB headers features a nearly endless spectrum of colors with the ability to synchronize effects across an ever-expanding ecosystem of AURA Sync enabled products
- Complete IT Infrastructure Management with ASMB9 Out-of-band remote management and In-band ASUS Control Center providing a complete server management solution reducing IT operating costs with features like remote BIOS updating, monitoring multiple systems via mobile device, and one-click software updates/dispatching.

[Add to comparison](#)

Share



Me gusta 0

CPU

Intel® Socket 2066 Processors
 Supports Intel® Virtual RAID on CPU (VROC)
 Supports Intel® 14 nm CPU
 Supports Intel® Turbo Boost Technology 2.0
 * The Intel® Turbo Boost Technology 2.0 support depends on the CPU types.

Chipset

Intel® C422

Memory

8 x DIMM, Max. 512GB, DDR4 2666/2400/2133 MHz RDIMM, LR-DIMM Memory *1
 Quad Channel Memory Architecture

Multi-GPU Support

Supports NVIDIA® 4-Way SLI™ Technology
 Supports AMD 4-Way CrossFireX Technology

Expansion Slots

Intel® C422 Chipset

7 x PCIe 3.0 x16 (single x16 or dual x16/x16 or triple x16/x16/x16 or quad x16/x16/x16/x16 or seven x16/x8/x8/x8/x8/x8/x8,) *2

Storage

Intel® C422 Chipset : *3

1 x M.2 Socket 3, , with M key, type 2242/2260/2280/22110 storage devices support (PCIe 3.0 x 4 mode)

1 x M.2 Socket 3, , with M key, type 2242/2260/2280 storage devices support (PCIe 3.0 x 4 mode)

8 x SATA 6Gb/s port(s)

2 x U.2 connector

Support Raid 0, 1, 5, 10

Intel® Rapid Storage Technology Enterprise supports

Intel® Virtual RAID (VROC) support for CPU RAID

LAN

Intel® X550-AT2

2 x 10 Gigabit LAN

Audio

Realtek® ALC S1220A 7.1-Channel High Definition Audio CODEC

- Power pre-regulator reduces power input noise to ensure consistent performance

- Impedance sense for front and rear headphone outputs

- Internal audio Amplifier to enhance the highest quality sound for headphone and speakers

- Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking, Front Panel MIC Jack-retasking

- High quality 120 dB SNR stereo playback output (Line-out at rear) and 113 dB (Line-in)

- Supports up to 32-Bit/192kHz playback *4

Audio Feature :

- DTS Connect

- DTS Headphone:X

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

- Audio Shielding: Ensures precision analog/digital separation and greatly reduced multi-lateral interference

- Premium Japanese-made audio capacitors: Provide warm, natural and immersive sound with exceptional clarity and fidelity

- Unique de-pop circuit: Reduces start-up popping noise to audio outputs

Separate layer for left and right track, ensuring both sound deliver equal quality

USB Ports

Intel® C422 Chipset :

6 x USB 3.1 Gen 1 port(s) (4 at back panel, , 2 at mid-board)

ASMedia® USB 3.1 Gen 2 controller :

2 x USB 3.1 Gen 2 port(s) (2 at back panel, , Type-A + USB Type-C™)

ASMedia® USB 3.1 Gen 2 controller :

1 x USB 3.1 Gen 2 port(s) (1 at mid-board)

Workstation Feature

ASUS Control Center (ACC)

Special Features

Fan Xpert4

- Fan Xpert 4 featuring Fan Auto Tuning function and multiple thermistors selection for optimized system cooling control

ASUS 5X Protection III :

- ASUS SafeSlot Core: Fortified PCIe Slot prevents damage

- ASUS Overvoltage Protection: World-class circuit-protecting power design

- ASUS Stainless-Steel Back I/O: 3X corrosion-resistance for greater durability!

- ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention

- ASUS ESD Guards - Enhanced ESD protection

AURA :

- Aura RGB Strip Headers
- Aura Addressable Strip Header(s)

ASUS Exclusive Features :

- MemOK!
- Ai Charger+
- Onboard Button : Power/Reset
- File Transfer

DIGI + Power Control :

- CPU Power: Digital 8-phase power design

DIGI + Power Control :

- DRAM Power: Digital 2-phase power design

ASUS EZ DIY :

- ASUS USB BIOS Flashback
- ASUS UEFI BIOS EZ Mode

ASUS Q-Design :

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

Turbo App**M.2 and U.2 Onboard (The Latest Transfer Technology with up to 32Gb/s Data-transfer Speeds for M.2 and U.2)**

Asus Control Center (ACC) IT management software supported

Intel® Virtual RAID on CPU (VROC) ready

ASMedia USB 3.1 Gen 2 Controller supports Multiple-Ins function

Thunderbolt 3 support**Operating System Support** Windows® 10 64-bit**Back I/O Ports**

- 2 x LAN (RJ45) port(s)
- 1 x USB 3.1 Gen 2 (teal blue) Type-A,
- 1 x USB 3.1 Gen 2 (black) Type-C
- 1 x Optical S/PDIF out
- 1 x 8-channel Audio I/O
- 4 x USB 3.1 Gen 1 (blue)

Internal I/O Ports

- 1 x Aura Addressable Strip Header(s)
- 2 x U.2 port
- 1 x AAFP connector
- 1 x Aura RGB Strip Header
- 1 x USB 3.1 Gen 1 (up to 5Gbps) connector(s) support(s) additional 2 USB 3.1 Gen 1 port(s)
- 1 x M.2 Socket 3 with M key, type 2242/2260/2280/22110 storage devices support (PCIe 3.0 x 4 mode)
- 1 x M.2 Socket 3 with M key, type 2242/2260/2280 storage devices support (PCIe 3.0 x 4 mode)
- 1 x TPM header
- 1 x COM port(s) connector(s)
- 8 x SATA 6Gb/s connector(s)
- 1 x VROC_HW_Key
- 1 x CPU Fan connector(s)
- 1 x CPU OPT Fan connector(s)
- 2 x Chassis Fan connector(s)
- 1 x AIO_PUMP connector
- 1 x Thunderbolt header(s)
- 1 x 24-pin EATX Power connector(s)
- 1 x 6-pin ATX Power connector
- 2 x 8-pin ATX 12V Power connector(s)
- 1 x EZ XMP switch

	<ul style="list-style-type: none"> 1 x 5-pin EXT_FAN(Extension Fan) connector 1 x Power-on button(s) 1 x Reset button(s) 1 x Clear CMOS button(s) 1 x USB BIOS Flashback button(s) 1 x Water Pump header (4-pin) 1 x System panel connector 1 x Thermal sensor connector 1 x USB 3.1 Gen 2 front panel connector 1 x CPU_OV jumper 1 x MemOK! Button 1 x M.2 Fan Header
Accessories	<ul style="list-style-type: none"> User's manual Addressable LED extension cable 1 x Vertical M.2 bracket set I/O Shield 1 x COM port cable(s) 8 x SATA 6Gb/s cable(s) 1 x M.2 screws 1 x Supporting DVD 1 x 3-Way SLI bridge(s) 1 x 4-Way SLI bridge(s) 1 x SLI HB BRIDGE(2-WAY-M) 1 x Q-Connector
Form Factor	<ul style="list-style-type: none"> CEB Form Factor 12 inch x 10.5 inch (30.5 cm x 26.7 cm)
Weight	<ul style="list-style-type: none"> Color Box(3-in-1) Net Weight: 4.28kg Gross Weight: 6.48kg Bulk Pack(5-in-1) Net Weight: 6.83kg Gross Weight: 9.91kg
Environment	<ul style="list-style-type: none"> Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)
Note	<ul style="list-style-type: none"> *1 Memory capacity supported depends on both CPU and Memory installed. *2 Please refer to the block diagrams in the Appendix for more details in the manual. *3 Intel® VROC is supported via RSTe, and Intel® VROC_HW_key. VROC_HW_Key is purchased separately. NVMe RAID type and function will depend on the Intel® VROC_HW_key installed. *4 Due to limitations in HAD bandwidth, 32-Bit/192kHz is not supported for 8-channel audio. 32-Bit/192kHz is only available under Windows® 10.