

WS C422 PRO/SE

CPU Intel® Socket 2066 Processors

Supports Intel® 14 nm CPU

Supports Intel® Turbo Boost Max Technology 2.0

* The Intel® Turbo Boost Technology 2.0 support depends on the CPU types.

Chipset Build in 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® 3-Way SLI™ Technology

Supports AMD 3-Way CrossFireX™ Technology

Expansion Slots **48-Lane CPU-**

2 x PCIe 3.0 x16 (x16 mode)

2 x PCIe 3.0 x16 (Single at x16, dual at x8/x8)

1 x PCIe 3.0 x4 (x4 mode)

Storage 1 x M.2 x4 Socket 3*2, with M key, type 2242/2260/2280/22110 storage devices support (PCIe 3.0 x 4 mode)

1 x M.2 x4 Socket 3*3, with M key, type 2242/2260/2280 storage devices support (both SATA & PCIe mode)

1 x U.2 connector*2

6 x SATA 6Gb/s port(s)

Support Raid 0, 1, 10

Intel® Rapid Storage Technology Enterprise supports

Intel® Virtual RAID (VROC) support for CPU RAID

LAN Intel® I210-AT, 2 x Gigabit LAN Controller(s)

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Audio

Realtek® ALC S1220A 8-Channel High Definition Audio CODEC featuring Crystal Sound 3

- 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 SNR recording input (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)

Intel® C422 Chipset :

6 x USB 2.0 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 front panel connector port(s)

Special Features

- ### ASUS 5X Protection III :
- ASUS SafeSlot Core: Fortified PCIe Slot prevents damage
 - ASUS LANGuard: Protects against LAN surges, lightning strikes and static-electricity discharges!
 - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention
 - ASUS ESD Guards - Enhanced ESD protection

AURA :

- Aura RGB Strip Headers
- Aura Lighting Effects Synchronization with compatible ASUS ROG devices
- Aura Addressable Strip Header(s)

ASUS Exclusive Features :

- MemOK!
- Ai Charger+
- Onboard Button : Power/Reset
- Turbo LAN

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DIGI + Power Control :

- CPU Power: Digital 8-phase power design

DIGI + Power Control :

- DRAM Power: Digital 2-phase power design

ASUS Quiet Thermal Solution :

- Stylish Fanless Design with M.2 Heat-sink solution

ASUS EZ DIY :

- ASUS USB BIOS Flashback

ASUS Q-Design :

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

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**Thunderbolt 3 support**

Back I/O Ports 2 x LAN (RJ45) port(s)
 2 x USB 3.1 Gen 2 Type-A + USB Type-C™,
 4 x USB 3.1 Gen 1 (blue) ,
 4 x USB 2.0 (one port can be switched to USB BIOS Flashback)
 1 x Optical S/PDIF out
 1 x USB BIOS Flashback Button(s)
 1 x 8-channel Audio I/O

Internal I/O Ports 1 x Aura Addressable Strip Header(s)
 1 x AAFP connector
 1 x Aura RGB Strip Headers
 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 USB 2.0 connector(s) support(s) additional 2 USB 2.0 port(s)
 1 x M.2 Socket 3 with M key, type 2242/2260/2280 storage devices support (SATA & PCIE 3.0 x 4 mode)
 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 TPM header
 6 x SATA 6Gb/s connector(s)
 1 x VROC_HW_Key
 2 x CPU Fan connector(s)
 1 x AIO_PUMP connector
 1 x Thunderbolt header(s)
 1 x 24-pin EATX Power connector(s)
 2 x 8-pin ATX 12V Power connector(s)
 1 x 5-pin EXT_FAN(Extension Fan) connector
 1 x MemOK! button(s)
 1 x Thermal sensor connector(s)
 1 x Power-on button(s)

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1 x Reset button(s)
1 x Clear CMOS button(s)
1 x U.2 connector
3 x System panel connector
1 x Front fan
1 x Rear fan
1 x COM port header
1 x Aspeed VGA header
1 x USB 3.1 Gen 2 front panel connector
1 x CPU_OV jumper
1 x PUMP Fan connector
1x 6-pin ATX 12V Power connector

BIOS CrashFree BIOS 3
EZ Flash3
F11 EZ Tuning Wizard
ASUS UEFI BIOS EZ Mode
Multi-language BIOS

Form Factor ATX Form Factor
12 inch x 9.6 inch (30.5 cm x 24.4 cm)

Weight Color Box(3-in-1)
Net Weight: 4.86kg
Gross Weight: 7.49kg

Bulk Pack(5-in-1)
Net Weight: 7.2kg
Gross Weight: 8.9kg

Note*1 Memory capacity supported depends on both CPU installed and Memory

*2 Bandwidth is shared between M.2_2 and U.2.

*3 SATA Bandwidth is shared between M.2_1 and SATA6G_1

*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

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