

WS C621E SAGE

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

Dual Intel® Socket P (LGA 3647) for Intel® 1st and 2nd Xeon® Scalable Processors Family (205W)

ChipsetBuild in Intel® C621

Memory12 x DIMM, Max. 1536GB, DDR4 2933/2666/2400 MHz RDIMM, LR-DIMM Memory

* Please refer to ASUS AVL for the latest update.

* Actual memory frequency differs from Intel CPU types and memory module.

Please check Intel official site for more detail about the memory types supported by each CPU.

GraphicIntegrated Graphics Processor

VGA port(Optional)

- Supports VGA with max. resolution 1920 x 1200 @ 60 Hz

Aspeed AST2500 with 64 MB VRAM

Multi-GPU SupportSupports NVIDIA® 4-Way SLI™ Technology *1

Supports AMD 4-Way CrossFireX Technology *1

Expansion Slots3 x PCIe 3.0 x16 (x16 mode)

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

2 x PCIe 3.0 x16 (x8 mode)

Storage**Intel® C621 Chipset :**

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

Support Raid 0, 1, 5, 10

ASMedia® SATA 6Gb/s controller :

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

4 x U.2 connector,

1 x M.2 Socket 3, with M Key, type 2242/2260/2280/22110 storage devices support (both SATA & PCIE mode)

LAN Intel® I210-AT, 2 x Gigabit LAN Controller(s)**Audio** Realtek® S1220A 7.1-Channel High Definition Audio CODEC *2

- Power pre-regulator reduces power input noise to ensure consistent performance
- Impedance sense for front and rear headphone outputs
- Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking
- High quality SNR stereo playback output and 113 dB SNR recording input (Line-in)
- Front panel audio connector (AAFP)
- Supports up to 32-Bit/192kHz playback

Audio Feature :

- DTS Connect
- DTS Headphone:X
- Optical S/PDIF out port(s) at back panel
- Premium Japanese 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

USB Ports ASMedia® USB 3.1 Gen 2 controller :

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

Intel® C621 Chipset :

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

Intel® C621 Chipset :

4 x USB 2.0 port(s) (2 at back panel, , 2 at mid-board)

Workstation Feature ProCool Power Connector

USB BIOS Flashback®

ASUS PIKE SAS upgrade kit*3

Special Features Gamer's Guardian:

- DIGI+ VRM
- SafeSlot

ASUS Digital Power Design :

- Industry leading Digital 7 + 1 Phase CPU Power Design
- Industry leading Digital 2 Phase DRAM Power Design

ASUS Exclusive Features :

- Front Panel USB 3.0 Support

ASUS Q-Design :

- ASUS Q-Shield
- ASUS Q-Code
- 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)

Back I/O Ports 1 x PS/2 keyboard/mouse combo port(s)

2 x LAN (RJ45) port(s)

2 x USB 3.1 Gen 2 *4

4 x USB 3.1 Gen 1

4 x USB 2.0

1 x Optical S/PDIF out

1 x USB BIOS Flashback® Button(s)

1 x 8-channel Audio I/O

Internal I/O Ports 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 USB 2.0 connector(s) support(s) additional 2 USB 2.0 port(s)

1 x M.2 Socket 3

1 x TPM header

1 x COM port(s) connector(s)

10 x SATA 6Gb/s connector(s)

1 x VROC_HW_Key

2 x CPU Fan connector(s) (2 x 4 -pin)

7 x Chassis Fan connector(s) *5

2 x 8-pin EATX 12 V Power connector

1 x 24-pin EATX Power connector(s)

1 x VGA connector(s)

1 x Front panel audio connector(s) (AAFP)

1 x AUX panel header(s)

1 x SMBus header(s)

1 x 6-pin EATX 12V_3 Power connector

1 x System panel connector

4 x U.2 Connector (support U.2 NVMe device)

Form Factor EEB Form Factor

12 inch x 13 inch (30.5 cm x 33 cm)

Environment Operation temperature: 10°C ~ 35°C

Non operation temperature: -40°C ~ 70°C

Non operation humidity: 20% ~ 90% (Non condensing)

Note * Dual Intel® Socket P/LGA 3647 (Square)

*1 Actual number of multi-graphic support differs per Vendors' graphic cards. Please check with vendor beforehand.

*2 Due to limitation in HDA bandwidth, 32-Bit/192kHz is not supported for 8-channel audio. 32-Bit/192kHz is only available under **Windows 10**

*3 Please check AVL list for supported add on card

*4 1 x Type A, 1 x Type C

*5 5 x Front, 2 x Rear

- Products certified by the Federal Communications Commission and Industry Canada will be distributed in the United States and Canada. Please visit the ASUS USA and ASUS Canada websites for information about locally available products.
- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.
- PCB color and bundled software versions are subject to change without notice.
- Brand and product names mentioned are trademarks of their respective companies.
- The information contained is general testing result for reference. Please consult local sales representative for more information on specific supported CPU list on each system.

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