

## Pro WS X570-ACE

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**CPU** AMD AM4 Socket 3rd and 2nd AMD Ryzen™/2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics Processors

\* Refer to [www.asus.com](http://www.asus.com) for CPU support list

\* Due to CPU limitation, CPU cores supported varies by processors.

**Chipset** AMD X570

### **Memory** 3rd Gen AMD Ryzen™ Processors

4 x DIMM, Max. 128GB, DDR4

4400(O.C.)/4266(O.C.)/4133(O.C.)/4000(O.C.)/3866(O.C.)/3733(O.C.)/3600(O.C.)/3466(O.C.)/3400(O.C.)/3200/3000/2933/2800/2666/2400/2133 MHz Un-buffered Memory \*

### **2nd Gen AMD Ryzen™ Processors**

4 x DIMM, Max. 128GB, DDR4

3600(O.C.)/3466(O.C.)/3400(O.C.)/3200(O.C.)/3000(O.C.)/2933/2800/2666/2400/2133 MHz Un-buffered Memory

### **2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics Processors**

4 x DIMM, Max. 128GB, DDR4

3200(O.C.)/3000(O.C.)/2933/2800/2666(O.C.)/2400/2133 MHz Un-buffered Memory

Dual Channel Memory Architecture

ECC Memory (ECC mode) support varies by CPU.

\* Refer to [www.asus.com](http://www.asus.com) for the Memory QVL (Qualified Vendors Lists).

\* The maximum memory capacity supported vary depending on the CPU you installed.

**Graphic** Integrated Graphics in the 2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics Processors

VGA output support : HDMI port

- Supports HDMI 2.0b with maximum resolution of 4096 x 2160 @ 60 Hz

- Supports DisplayPort 1.2 with max. resolution 4096 x 2160 @ 60 Hz

## Multi-GPU Support **3rd and 2nd Gen AMD Ryzen™ Processors**

Supports NVIDIA® 2-Way SLI® Technology

Supports AMD 3-Way CrossFireX™ Technology

## Expansion Slots **3rd Gen AMD Ryzen™ Processors**

2 x PCIe 4.0 x16 (x16 or dual x8)

### **2nd Gen AMD Ryzen™ Processors**

2 x PCIe 3.0 x16 (x16 or dual x8)

### **2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics Processors**

1 x PCIe 3.0 x16 (x8 mode)

### **AMD X570 chipset**

1 x PCIe 4.0 x16 (x8 mode)

1 x PCIe 4.0 x1

## Storage **3rd Gen AMD Ryzen™ Processors :**

1 x M.2\_1 socket 3, with M Key, Type 2242/2260/2280/22110(PCIE 4.0 x4 and SATA modes) storage devices support

### **2nd Gen AMD Ryzen™/2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics Processors :**

1 x M.2\_1 socket 3, with M Key, Type 2242/2260/2280/22110(PCIE 3.0 x4 and SATA modes) storage devices support

### **AMD X570 chipset :**

1 x M.2\_2 socket 3, with M Key, Type 2242/2260/2280(PCIE 4.0 x2) storage devices support

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

4 x SATA 6Gb/s port(s)

Support Raid 0, 1, 10

## LAN Realtek® RTL8117

Intel® I211-AT

ASUS Turbo LAN Utility

ASUS LAN Guard

## Audio Realtek® S1220A 8-Channel High Definition Audio CODEC \*

- Supports : Jack-detection, Front Panel Jack-retasking

- Front panel audio connector (AAFP)

### **Audio Feature :**

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

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

- Dedicated audio PCB layers: Separate layers for left and right channels to guard the quality of the sensitive audio signals

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

- 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
  - EMI protection cover to prevent electrical noise to affect the amplifier quality
- Separate layer for left and right track, ensuring both sound deliver equal quality
- \* Choose the chassis with HD audio module in front panel to support 8-channel audio output.

## USB Ports **3rd and 2nd Gen AMD Ryzen™/2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics Processors :**

3 x USB 3.2 Gen 1 port(s) (2 at back panel, blue, Type-A, 1 at mid-board)

### **AMD X570 chipset :**

5 x USB 3.2 Gen 2 port(s) (4 at back panel, teal blue, Type-A, 1 x Type-C)

### **AMD X570 chipset :**

4 x USB 2.0 port(s) (4 at mid-board)

## Workstation Feature **ProCool Power Connector** ASUS Control Center (ACC)

## Special Features **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

### **Fan Xpert4**

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

### **ASUS 5X Protection III :**

- ASUS LANGuard: Protects against LAN surges, lightning strikes and static-electricity discharges!
- 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

**ASUS SafeSlot** - Protect your graphics card Investment

### **ASUS OptiMem :**

- Improved DDR4 Stability

### **ASUS EPU :**

- EPU

### **ASUS Exclusive Features :**

- OptiMem
- AI Suite 3
- Ai Charger
- ESD Guards

- Turbo LAN
- Armoury Crate
- ASUS EZ Flash 3
- ASUS NODE : hardware control interface

#### **ASUS Quiet Thermal Solution :**

- Stylish Design: MOS Heat-sink with dual thermal pads design, PCH Fan and PCH Heatsink
- ASUS Fan Xpert 4

#### **ASUS EZ DIY :**

- ASUS CrashFree BIOS 3
- ASUS EZ Flash 3
- ASUS UEFI BIOS EZ Mode

#### **ASUS Q-Design :**

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

### **Back I/O Ports** 1 x DisplayPort

- 1 x HDMI
- 2 x LAN (RJ45) port(s)
- 1 x Optical S/PDIF out
- 5 x Audio jack(s)
- 2 x USB 3.2 Gen 1 (up to 5Gbps) ports Type-A
- 4 x USB 3.2 Gen 2 (up to 10Gbps) ports (Type-A)
- 1 x USB 3.2 Gen 2 (up to 10Gbps) ports (Type-C)

### **Internal I/O Ports** 1 x PCH\_FAN

- 2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s)
- 1 x M.2 Socket 3 with M Key, type 2242/2260/2280/22110 storage devices support (SATA mode & X4 PCIE mode)
- 1 x M.2 Socket 3 with M Key, type 2242/2260/2280 storage devices support (PCIe mode only)
- 1 x COM port(s) connector(s)
- 4 x SATA 6Gb/s connector(s)
- 1 x CPU Fan connector(s) (1 x 4 -pin)
- 1 x CPU OPT Fan connector(s) (1 x 4 -pin)
- 3 x Chassis Fan connector(s) (3 x 4 -pin)
- 1 x AIO\_PUMP connector (1 x 4 -pin)
- 1 x S/PDIF out header(s)
- 1 x 24-pin EATX Power connector(s)
- 1 x 8-pin ATX 12V Power connector(s)
- 1 x 4-pin ATX 12V Power connector(s)
- 1 x Front panel audio connector(s) (AAFP)
- 1 x System panel(s)
- 1 x Clear CMOS jumper(s)

1 x U.2 Connector (support U.2 NVMe device)  
2 x USB 3.2 Gen 1 (up to 5Gbps) connector support additional 2 USB ports

## Accessories

User's manual

I/O Shield  
4 x SATA 6Gb/s cable(s)  
1 x M.2 Screw Package  
1 x Supporting DVD  
1 x ASUS VGA Holder

**BIOS** 256 Mb Flash ROM, UEFI AMI BIOS, PnP, SMBIOS 3.2, 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, F9 Search and ASUS DRAM SPD (Serial Presence Detect) memory information

**Manageability** WOL by PME, PXE

**Operating System** Windows® 10 64-bit

**Form Factor** ATX Form Factor  
12.0 inch x 9.6 inch ( 30.5 cm x 24.4 cm )



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