PRIME X570-P

CPUAMD AM4 Socket 3rd and 2nd AMD Ryzen™/2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics Processors
* Refer to www.asus.com for CPU support list
* Due to CPU limitation, CPU cores supported varies by processors.

ChipsetAMD X570

Memory3rd 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.)/2933/2800/2666/240 0/2133 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.)/2933/2800/2666/2400/2133 MHz Memory
Dual Channel Memory Architecture
ECC Memory (ECC mode) support varies by CPU.
* Refer to www.asus.com for the Memory QVL (Qualified Vendors Lists).
* The maximum memory capacity supported vary depending on the CPU you installed.

GraphicIntegrated Graphics in the 2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics Processors
VGA output support : HDMI port
- Supports HDMI 1.4b with max. resolution 4096 x 2160 @ 24 Hz

Multi-GPU Support

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

Supports AMD 2-Way CrossFireX™ Technology

Expansion Slots

3rd Gen AMD Ryzen™ Processors
1 x PCIe 4.0 x16 (x16 mode)
2nd Gen AMD Ryzen™ Processors
1 x PCIe 3.0 x16 (x16 mode)
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 (max at x4 mode)
3 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 (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 (PCIE 3.0 x4 and SATA modes) storage devices support
AMD X570 chipset :
1 x M.2_2 socket 3, with M Key, Type 2242/2260/2280/22110(PCIE 4.0 x4 and SATA modes) storage devices support
6 x SATA 6Gb/s port(s)
Support Raid 0, 1, 10

LAN

Realtek® RTL8111H
ASUS LAN Guard

Audio

Realtek® S1200A 8-Channel High Definition Audio CODEC *
- Supports : Jack-detection, Front Panel Jack-retasking
- Front panel audio connector (AAFP)
Audio Feature :
- 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
* 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 :
2 x USB 3.2 Gen 2 port(s) (2 at back panel, teal blue, Type-A *)
3rd and 2nd Gen AMD Ryzen™/2nd and 1st Gen AMD Ryzen™ with Radeon™ Vega Graphics Processors :
2 x USB 3.2 Gen 1 port(s) (2 at back panel, blue, Type-A)
AMD X570 chipset :
2 x USB 3.2 Gen 2 port(s) (2 at back panel, teal blue, Type-A)
AMD X570 chipset :
4 x USB 3.2 Gen 1 port(s) (4 at mid-board)
AMD X570 chipset :
5 x USB 2.0 port(s) (2 at back panel, , 3 at mid-board)
* The USB ports under the LAN port can run at USB 3.2 Gen 2 speeds with 3rd Gen AMD Ryzen™ Processors

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 Overvoltage Protection: World-class circuit-protecting power design
- ASUS Stainless-Steel Back I/O: 3X corrosion-resistance for greater durability!
- ASUS DIGI+ VRM - Digital power design with Dr. MOS
- 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
AURA :
- Aura RGB Strip Headers
- Aura Control
- Addressable Gen 2 Header
ASUS Exclusive Features :
- AI Suite 3
- Ai Charger
- Armoury Crate
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-Slot
- ASUS Q-DIMM

Back I/O Ports
1 x PS/2 keyboard/mouse combo port(s)
1 x HDMI
1 x LAN (RJ45) port(s)
2 x USB 2.0
3 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 *)
* The USB ports under the LAN port can run at USB 3.2 Gen 2 speeds with 3rd Gen AMD Ryzen™ Processors

Internal I/O Ports
2 x Aura RGB Strip Headers
1 x Addressable Gen 2 header(s)
2 x USB 2.0 connector(s) support(s) additional 5 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 (SATA mode & X4 PCIE mode)
1 x SPI TPM header
1 x COM port(s) connector(s)
6 x SATA 6Gb/s connector(s)
1 x CPU Fan connector(s) (1 x 4 -pin)
3 x Chassis Fan connector(s) (3 x 4 -pin)
1 x PCH_FAN (1 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)
2 x USB 3.2 Gen 1 (up to 5Gbps) connector support additional 2 USB ports

Accessories
User's manual
I/O Shield
2 x SATA 6Gb/s cable(s)
1 x M.2 Screw Package
1 x Supporting DVD
1 x Extension cable for Addressable LED

BIOS
256 Mb Flash ROM, UEFI AMI BIOS, PnP, SM BIOS 3.2, ACPI 6.2, Multi-language BIOS, ASUS EZ Flash 3, CrashFree BIOS 3, F6 Qfan Control, F3 My

Favorites, Last Modified log, F12 PrintScreen, F4 AURA ON/OFF, 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)

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

- 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.

- Specifications and features vary by model, and all images are illustrative. Please refer specification pages for full details.
- *Precise specifications and features vary by model . Please refer to the specification page
- The product (electrical , electronic equipment, Mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.
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¿Quiénes somos?

¿Necesita ayuda?

Comunidad

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