

Note: The specifications are s
CPU
Chipset
Memory
Graphics
Expansion Slots
Storage
Ethernet
Wireless & Bluetooth®
USB
Audio

Back Panel I/O Ports

Internal I/O Connectors

Special Features

Software Features

BIOS

Manageability

Accessories

Operating System

Form Factor

Product (mm)_ L*W*H
Color Box (mm)_ L*W*H

Color Box (mm)_ L*W*H	

Motherboard only

Full package

TUF GAMING A620-PRO WIFI

subject to change without notice.

AMD Socket AM5 for AMD Ryzen™ 7000 Series Desktop Processors*

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

AMD A620 Chipset

4 x DIMM slots, Max. 192GB, DDR5

Dual Channel Memory Architecture

Supports AMD EXTENDED Profiles for Overclocking (EXPO™)

OptiMem II

* Supported memory types, data rate (speed), and number of DRAM modules vary depending on the CPU and memory configuration, for more information please refer to CPU/Memory Support list under the Support tab of

* Non-ECC, Un-buffered DDR5 Memory supports On-Die ECC function.

1 x DisplayPort**

1 x HDMI™ port***

* Graphics specifications may vary between CPU types. Please refer to AMD CPU specifications.

** Supports max. 8K@60Hz as specified in DisplayPort 1.4.

*** Supports 4K@60Hz as specified in HDMI 2.1.

AMD Ryzen™ 7000 Series Desktop Processors*

1 x PCIe 4.0 x16 slot (supports x16 mode)

AMD A620 Chipset

1 x PCIe 3.0 x16 slot (supports x2 mode)**

2 x PCIe 3.0 x1 slots

* Please check the PCIe bifurcation table on the support site (<https://www.asus.com/support/FAQ/1037507/>).

** PCIEX16_2 slot will be disabled when either of the PCIEX1 slots is populated.

- To ensure compatibility of the device installed, please refer to <https://www.asus.com/support/> for the list of sup

Total supports 2 x M.2 slots and 4 x SATA 6Gb/s ports*

AMD Ryzen™ 7000 Series Desktop Processors

M.2_1 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)

M.2_2 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 4.0 x4 mode)

AMD A620 Chipset

4 x SATA 6Gb/s ports

* AMD RAIDXpert2 Technology supports both PCIe RAID 0/1/10 and SATA RAID 0/1/10.

1 x Realtek 2.5Gb Ethernet

TUF LANGuard

Wi-Fi 6

1x1 Wi-Fi 6 (802.11 a/b/g/n/ac/ax)

Supports 2.4/5GHz frequency band

Bluetooth® v5.3

Rear USB (Total 6 ports)

2 x USB 3.2 Gen 2 (10G) ports (2 x Type-A)

1 x USB 3.2 Gen 1 (5G) port (1 x USB Type-C®)

3 x USB 2.0 ports (3 x Type-A)

Front USB (Total 7 ports)

1 x USB 3.2 Gen 1 (5G) connector (supports USB Type-C®)

1 x USB 3.2 Gen 1 (5G) header supports 2 additional USB 3.2 Gen 1 ports

2 x USB 2.0 headers support 4 additional USB 2.0 ports

Realtek 7.1 Surround Sound High Definition Audio CODEC

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

- Supports up to 24-Bit/192 kHz playback

Audio Features

- Audio Shielding
- Premium audio capacitors
- Dedicated audio PCB layers

2 x USB 3.2 Gen 2 (10G) ports (2 x Type-A)
 1 x USB 3.2 Gen 1 (5G) port (1 x USB Type-C®)
 3 x USB 2.0 ports (3 x Type-A)
 1 x DisplayPort
 1 x HDMI™ port
 1 x Wi-Fi Module
 1 x Realtek 2.5Gb Ethernet port
 5 x Audio jacks
 1 x BIOS FlashBack™ button

Fan and Cooling related

1 x 4-pin CPU Fan header
 1 x 4-pin CPU OPT Fan header
 1 x 4-pin AIO Pump header
 3 x 4-pin Chassis Fan headers

Power related

1 x 24-pin Main Power connector
 1 x 8-pin +12V Power connector
 1 x 4-pin +12V Power connector

Storage related

2 x M.2 slots (Key M)
 4 x SATA 6Gb/s ports

USB

1 x USB 3.2 Gen 1 (5G) connector (supports USB Type-C®)
 1 x USB 3.2 Gen 1 (5G) header supports 2 additional USB 3.2 Gen 1 ports
 2 x USB 2.0 headers support 4 additional USB 2.0 ports

Miscellaneous

3 x Addressable Gen 2 headers
 1 x Aura RGB header
 1 x Clear CMOS header
 1 x COM Port header
 1 x Front Panel Audio header (AAFP)
 1 x S/PDIF Out header
 1 x 20-3 pin System Panel header with Chassis intrude function

ASUS TUF PROTECTION

- DIGI+ VRM (- Digital power design with DrMOS)
- ESD Guards
- TUF LANGuard
- Overvoltage Protection
- SafeSlot Core+
- Stainless-Steel Back I/O

ASUS Q-Design

- M.2 Q-Latch
- Q-DIMM
- Q-LED (CPU [red], DRAM [yellow], VGA [white], Boot Device [yellow green])
- Q-Slot

ASUS Thermal Solution

- M.2 heatsink
- VRM heatsink design

ASUS EZ DIY <ul style="list-style-type: none"> - BIOS FlashBack™ button - BIOS FlashBack™ LED - ProCool - Pre-mounted I/O shield - SafeDIMM Aura Sync <ul style="list-style-type: none"> - Aura RGB header - Addressable Gen 2 headers
ASUS Exclusive Software <ul style="list-style-type: none"> Armoury Crate <ul style="list-style-type: none"> - Aura Creator - Aura Sync - Fan Xpert 4 - Power Saving - Two-Way AI Noise Cancellation AI Suite 3 <ul style="list-style-type: none"> - TurboV EVO - DIGI+ VRM - PC Cleaner TUF GAMING CPU-Z MyASUS Norton 360 for Gamers (60 Days Free Trial) WinRAR
UEFI BIOS <ul style="list-style-type: none"> ASUS EZ DIY <ul style="list-style-type: none"> - ASUS CrashFree BIOS 3 - ASUS EZ Flash 3 - ASUS UEFI BIOS EZ Mode
256 Mb Flash ROM, UEFI AMI BIOS
WOL by PME, PXE
Cables <ul style="list-style-type: none"> 2 x SATA 6Gb/s cables
Miscellaneous <ul style="list-style-type: none"> 1 x ASUS Wi-Fi moving antennas 1 x TUF Gaming sticker 1 x M.2 Rubber Package 1 x Screw package for M.2 SSD
Documentation <ul style="list-style-type: none"> 1 x TUF Certification card 1 x User guide
Windows® 11, Windows® 10 64-bit
ATX Form Factor
12 inch x 9.6 inch (30.5 cm x 24.4 cm)

Dimension
300mm*244mm*50mm
338mm*273mm*68mm
Weight
1.20 Kg

1.362 Kg

upported peripherals.

