



Model	TUF GAMING B860-PLUS WIFI
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CPU	Support Intel® Core™ Ultra Processors(Series 2) , LGA1851* Supports Intel® Turbo Boost Technology 2.0 and Intel® Turbo Boost Max Technology 3.0** ** Intel® Turbo Boost Max Technology 3.0 support depends on the CPU types.
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Chipset	Intel® B860 Chipset
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Memory	4 x DIMM slots, max. 256GB, DDR5 Support up to 8666+ MT/s (OC), Non-ECC, Un-buffered ,Clocked Unbuffered DIMM (CUDIMM)*" Dual channel memory architecture DIMM Fit Supports Intel® Extreme Memory Profile (XMP) memory module ASUS Enhanced Memory Profile III(AEMP III)
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Graphics	1 x DisplayPort** 1 x HDMI™ port*** 1 x USB 20Gbps port (USB Type-C®) supports DisplayPort video output**** * Graphics specifications may vary between CPU types. ** Supports max. 4K@60Hz as specified in DisplayPort 1.4. *** Supports 4K@60Hz as specified in HDMI 2.1. ****Supports max. 4K@60Hz as specified in DisplayPort 1.4. ***** VGA resolution support depends on processors' or graphic cards' resolution. *****While installing the operating system, please ensure that your monitor is connected to the HDMI port on the back I/O panel or to a discrete graphics card.
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Expansion Slots	Intel® Core™ Ultra Processors(Series 2) 1 x PCIe 5.0 x16 slot Intel® B860 Chipset 1 x PCIe 4.0 x16 slot (supports x4 mode)* 1 x PCIe 4.0 x1 slot* * PCIEX16(G4) shares bandwidth with PCIEX1(G4). When PCIEX1(G4) runs at PCIe x1 mode, PCIEX16(G4) will only run at PCIe x2 mode. - To ensure compatibility of the device installed, please refer to https://www.asus.com/support/download-center/ for the list of supported peripherals.
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Storage

Total supports 3 x M.2 slots and 4 x SATA 6Gb/s ports*
Intel® Core™ Ultra Processors(Series 2)*
M.2_1 slot (Key M), type 2280 (supports PCIe 5.0 x4 mode)
Intel® B860 Chipset
M.2_2 slot (Key M), type 2280/22110 (supports PCIe 4.0 x4 mode)
M.2_3 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)
4 x SATA 6Gb/s ports
* Intel® Rapid Storage Technology supports SATA RAID 0/1/5/10.

Ethernet

1 x Realtek 2.5Gb Ethernet
TUF LANGuard

Wireless & Bluetooth

Wi-Fi 7*
2x2 Wi-Fi 7 (802.11be)
Supports 2.4/5/6GHz frequency band**
Supports Wi-Fi 7 160MHz bandwidth, up to 2.9Gbps transfer rate.
Bluetooth® v5.4***
*Wi-Fi features may vary depending on the operating system
For Windows 11, Wi-Fi 7 will require 24H2 or later version for full functions, Windows 11 21H2/22H2/23H2 only support Wi-Fi 6E.
** Wi-Fi 6GHz frequency band and bandwidth regulatory may vary between countries.
*** The Bluetooth® version may vary, please refer to the Wi-Fi module manufacturer's website for the latest specifications.

USB

Rear USB (Total 8 ports)
1 x USB 20Gbps port (1 x USB Type-C®)
2 x USB 10Gbps ports (2 x Type-A)
3 x USB 5Gbps ports (3 x Type-A)
2 x USB 2.0 ports (2 x Type-A)
Front USB (Total 5 ports)
1 x USB USB 10Gbps connector (supports USB Type-C®)
1 x USB 5Gbps header supports 2 additional USB 5Gbps ports
1 x USB 2.0 header supports 2 additional USB 2.0 ports
USB Type-C® power delivery output: max. 5V/3A

Audio

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
- Rear optical S/PDIF out port
- Premium audio capacitors
- Dedicated audio PCB layers
- Audio cover
* Due to limitations in HDA bandwidth, 32-Bit/192 kHz is not supported for 7.1 Surround Sound audio.

Back Panel I/O Ports

1 x USB 20Gbps port (1 x USB Type-C® with DP Alt mode)
2 x USB 10Gbps ports (2 x USB Type-A)
3 x USB 5Gbps ports (3 x Type-A)
2 x USB 2.0 ports (2 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 Optical S/PDIF out port
1 x BIOS FlashBack™ button
1 x USB 20Gbps port (1 x USB Type-C® with DP Alt mode)
2 x USB 10Gbps ports (2 x USB Type-A)
3 x USB 5Gbps ports (3 x Type-A)
2 x USB 2.0 ports (2 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 Optical S/PDIF out port
1 x BIOS FlashBack™ button

Internal I/O Connectors

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
4 x 4-pin Chassis Fan headers
Power Related
1 x 24-pin Main Power connector
2 x 8-pin +12V CPU Power connectors
Storage Related
3 x M.2 slots (Key M)
4 x SATA 6Gb/s ports
USB
1 x USB 10Gbps connector (supports USB Type-C®)
1 x USB 5Gbps header supports 2 additional USB 5Gbps ports
1 x USB 2.0 header supports 2 additional USB 2.0 ports
Miscellaneous
3 x Addressable Gen 2 headers
1 x Clear CMOS header
1 x Chassis Intrusion header
1 x COM Port header
1 x Front Panel Audio header (F_AUDIO)
1 x 10-1 pin Front System Panel header
1 x Thunderbolt™ (USB4®) header

Special Features

ASUS TUF PROTECTION
- DIGI+ VRM (- Digital power design with DrMOS)
- ESD Guards
- TUF LANGuard
- Overvoltage protection
- SafeSlot
- Stainless-steel back I/O
ASUS Q-Design
- M.2 Q-Latch
- PCIe Slot Q-Release
- Q-Antenna
- Q-Dashboard
- 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
- BIOS FlashBack™ button
- BIOS FlashBack™ LED
- CPU Socket lever protector
- ProCool
- Pre-mounted I/O shield
- SafeDIMM
Aura Sync
- Addressable Gen 2 headers

Software Features

ASUS Exclusive Software
Armoury Crate
- Aura Creator
- Aura Sync
- Fan Xpert 4
- Power Saving
ASUS DriverHub
ASUS GlideX
TUF GAMING CPU-Z
Adobe Creative Cloud (Free Trial)
DTS Audio Processing
Norton 360 for Gamers (60 Days Free Trial)
WinRAR (40 Days Free Trial)
UEFI BIOS
ASUS EZ DIY
- ASUS CrashFree BIOS 3
- ASUS EZ Flash
- ASUS UEFI BIOS EZ Mode
- ASUS MyHotkey

BIOS

2 x 128 Mb Flash ROM, UEFI AMI BIOS

Manageability

WOL by PME, PXE

Accessories

Cables
2 x SATA 6Gb/s cables
Miscellaneous
1 x ASUS WiFi Q-Antenna
2 x M.2 rubber packages
1 x Screw package for M.2 SSD
1 x TUF GAMING sticker
Documentation
1 x Quick start guide

Operating System

Windows 11 (22H2 & later)

Form Factor

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