

CPU

Supports Intel® 14 nm CPU

Supports Intel® Turbo Boost Technology 2.0 and Intel® Turbo Boost Max Technology 3.0**

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

** Intel® Turbo Boost Max Technology 3.0 support depends on the CPU types.

Chipset

Intel® Z590 Chipset

Memoria

DDR4

5333(OC)/5133(OC)/5000(OC)/4800(OC)/4600(OC)/4500(OC)/4400(OC)/4267(OC)/4133(OC)/4000(OC)/3866(OC)/3733(OC)/3600(OC)/3466(OC)/3400(OC)/3333(OC)/3200/3000/2933/2800/2666/2400/2133 MHz Non-ECC, Un-buffered Memory*

Dual Channel Memory Architecture

Supports Intel® Extreme Memory Profile (XMP)

OptiMem II

* 10th Gen Intel® Core™ i7/i9 processors support 2933/2800/2666/2400/2133 natively, others will run at the maximum transfer rate of DDR4 2666MHz.

* 11th Gen Intel® processors support 3200/2933/2800/2666/2400/2133 natively.

* Refer to www.asus.com for the Memory QVL (Qualified Vendors Lists).

Gráficos

* Graphics specifications may vary between CPU types.

** Only Intel® 11th processors support DisplayPort 1.4 with max. resolution of 5120 x 2880 @60Hz, others will only support DisplayPort 1.4 with max. resolution of 4096 x 2304 @60Hz. Please refer to www.intel.com for any updates

*** Only Intel® 11th processors support HDMI™ 2.0 with max. resolution of 4K@60Hz, others will only support HDMI™ 1.4 with max. resolution of 4K@30Hz. Please refer to www.intel.com for any updates.

Puertos de Expansión

3 x PCIe 4.0/3.0 x16 (x16, x8/x4/x4)

Intel® 11th & 10th Gen Processors

3 x PCIe 4.0/3.0 x16 slot(s)*

- Intel® 11th processors support PCIe 4.0 x16 or x8/x4/x4 mode(s)
- Intel® 10th processors support PCIe 3.0 x16 or x8/x4/x4 mode(s)

Intel® Z590 Chipset

1 x PCIe 3.0 x4 slot

* Supports PCIe bandwidth bifurcation for RAID on CPU function.

Almacenamiento

Intel® 11th Gen Processors

M.2_1 slot (Key M), type 2242/2260/2280/22110

- Only Intel® 11th Core™ processors support PCIe 4.0 x4 mode, this slot will be disabled for other CPUs.

Intel® Z590 Chipset

M.2_2 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 3.0 x4 & SATA modes)*

M.2_3 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 3.0 x4 & SATA modes)**

6 x SATA 6Gb/s ports

Raid function in Intel® Rapid Storage Technology is available with either 1. Intel® SSDs installed in both CPU-attached and PCH-attached slots, or 2. any other 3rd party SSDs installed in PCH-attached slots.

To enable Intel® Optane™ Memory (Hybrid Storage device), it must be installed in PCH-attached slots with Intel® Rapid Storage Technology.

*When M.2_2 is operating in SATA device, SATA6G_2 will be disabled.

**When M.2_3 is operating in SATA device, SATA6G_6 will be disabled.

LAN

1 x Intel® I225-V 2.5Gb Ethernet ASUS LANGuard

Redes Inalámbricas

Intel® Wi-Fi 6 2x2 Wi-Fi 6 (802.11 a/b/g/n/ac/ax) Supports 2.4/5GHz frequency band Bluetooth v5.0 or later

Puertos USB

Rear USB: Total 10 ports

1 x USB 3.2 Gen 2x2 port(s) (1 x USB Type-C®)

4 x USB 3.2 Gen 2 port (4 x Type-A)

5 x USB 2.0 port(s) (4 x Type-A + 1 x USB Type-C®)

Front USB: Total 7 ports

1 x USB 3.2 Gen 1 connector(s) (support(s) USB Type-C®)

1 x USB 3.2 Gen 1 header(s) support(s) additional 2 USB 3.2 Gen 1 ports

2 x USB 2.0 header(s) support(s) additional 4 USB 2.0 ports

Audio

"ROG SupremeFX 7.1 Surround Sound High Definition Audio CODEC ALC4080

- Impedance sense for front and rear headphone outputs
- Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking
- High quality 120 dB SNR stereo playback output and 113 dB SNR recording input
- Supports up to 32-Bit/384 kHz playback"

Audio Features

- SupremeFX Shielding Technology
- ALC4080 + Savitech SV3H712 AMP
- audio jacks
- Rear audio USB Type-C® port

- Premium Japanese audio capacitors
- Audio cover

Puertos E/S Traseros

- 1 x USB 3.2 Gen 2x2 port(s) (1 x USB Type-C®)
- 4 x USB 3.2 Gen 2 port(s) (4 x Type-A)
- 5 x USB 2.0 port(s) (4 x Type-A, 1 x Audio USB Type-C®)
- 1 x HDMI™ port
- 1 x DisplayPort
- 1 x ASUS Wi-Fi Module
- 1 x Intel® I225-V 2.5Gb Ethernet
- 5 x Audio jacks
- 1 x BIOS FlashBack™ button

Puertos Internos

- 1 x Thunderbolt 4 header

Fan and Cooling related

- 1 x 4-pin CPU Fan header(s)
- 1 x 4-pin CPU OPT Fan header(s)
- 1 x 4-pin AIO Pump header(s)
- 4 x 4-pin Chassis Fan header(s)
- 1 x VRM heatsink Fan header

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

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

USB

- 1 x USB 3.2 Gen 1 connector (support(s) USB Type-C®)
- 1 x USB 3.2 Gen 1 header(s) support(s) additional 2 USB 3.2 Gen 1 ports
- 2 x USB 2.0 header(s) support(s) additional 4 USB 2.0 ports

Miscellaneous

- 3 x AURA Addressable Gen 2 header(s)
- 1 x AURA RGB header(s)
- 1 x Clear CMOS header
- 1 x CPU Over Voltage jumper
- 1 x Front Panel Audio header (AAFP)
- 1 x SPI TPM header (14-1pin)
- 1 x 20-3 pin System Panel header with Chassis intrude function
- 1 x Thermal Sensor header
- 1 x Thunderbolt header
- 1 x S/PDIF out header

Características Especiales

Extreme Engine Digi+

- 5K Black Metallic Capacitors

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 backplate
- M.2 heatsink

ASUS EZ DIY

- BIOS FlashBack™ button
- BIOS FlashBack™ LED
- ProCool II
- Pre-mounted I/O shield

- SafeSlot

AURA Sync

- AURA RGB header(s)
- Addressable Gen 2 RGB header(s)

Características de Software

ROG Exclusive Software

- RAMCache III
- ROG CPU-Z
- GameFirst VI
- Sonic Studio III + Sonic Studio Virtual Mixer
- Sonic Radar III
- DTS® Sound Unbound
- Overwolf
- Anti-virus software

ASUS Exclusive Software

Armoury Crate

- AIDA64 Extreme (60 days free trial)
- AURA Creator
- AURA Sync
- Two-Way AI Noise Cancelation

AI Suite 3

- 5-Way Optimization with AI Overclocking

TPU

EPU

Digi+ VRM

Fan Xpert 4

Turbo app

- EZ update

DAEMON Tools

MyAsus

WinRAR

UEFI BIOS

MemTest86

AI Overclocking Guide

ASUS EZ DIY

- ASUS CrashFree BIOS 3

- ASUS EZ Flash 3

- ASUS UEFI BIOS EZ Mode

FlexKey

BIOS

256 Mb Flash ROM, UEFI AMI BIOS

Manejabilidad

WOL by PME, PXE

Accesorios

Cables

1 x ROG audio USB Type-C® cable

4 x SATA 6Gb/s cables

Miscellaneous

1 x ASUS 2x2 Dual-Band Wi-Fi moving antennas

1 x Cable ties pack

1 x M.2 Q-Latch package

2 x M.2 Rubber Packages

1 x ROG key chain

1 x ROG STRIX sticker

1 x ROG STRIX thank you card

Installation Media

1 x Support DVD

Documentation

1 x User manual

Sistema operativo

Windows 10 64bit

Factor de forma

ATX

12 inch x 9.6 inch (30.5 cm x 24.4 cm)