

ROG STRIX Z370-I GAMING

- CPU

Intel® Socket 1151 for 8th Generation Core™ Processors

Supports Intel® 14 nm CPU

* The Intel® Turbo Boost Technology 2.0 support depends on the CPU types.

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

- Chipset

Intel® Z370

- Memory

2 x DIMM, Max. 32GB, DDR4

4333(O.C.)/4200(O.C.)/4000(O.C.)/3866(O.C.)/3600(O.C.)/3333(O.C.)/3300(O.C.)/3200(O.C.)/3000(O.C.)/2800(O.C.)/2666(O.C.)/2400(O.C.)/2133(O.C.) MHz Non-ECC, Unbuffered Memory

Dual Channel Memory Architecture

Supports Intel® Extreme Memory Profile (XMP)

* Hyper DIMM support is subject to the physical characteristics of individual CPUs.

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

- Graphic

Integrated Graphics Processor- Intel® HD Graphics support

Multi-VGA output support : HDMI/DisplayPort ports

- Supports HDMI with max. resolution 4096 x 2160 @ 24 Hz

- Supports DisplayPort with max. resolution 4096 x 2304 @ 60 Hz

Maximum shared memory of 1024 MB

Supports Intel® InTru™ 3D, Quick Sync Video, Clear Video HD Technology, Insider™

- Expansion Slots

1 x PCIe 3.0 x16

- Storage

Intel® Z370 Chipset :

1 x M.2 Socket 3, , with M key, type 2242/2260/2280 storage devices support (SATA & PCIE 3.0 x 4 mode)*¹

1 x M.2 Socket 3, , with M key, type 2242/2260/2280 storage devices support (PCIE 3.0

x 4 mode)*¹
4 x SATA 6Gb/s port(s)
Support Raid 0, 1, 5, 10
Intel® Rapid Storage Technology supports
Supports Intel® Smart Response Technology*²
Intel® Optane™ Memory Ready *³

- LAN

Intel® I219V
Anti-surge LANGuard
ROG GameFirst Technology

- Wireless Data Network

Wi-Fi 802.11 a/b/g/n/ac
Supports dual band frequency 2.4/5 GHz
Supports MU-MIMO

- Bluetooth

Bluetooth V4.2

- Audio

SupremeFX 8-Channel High Definition Audio CODEC S1220A
- Dual Headphone Amplifiers
- 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
- SupremeFX Shielding Technology
- Supports up to 32-Bit/192kHz playback

Audio Feature :

- Optical S/PDIF out port(s) at back panel
- Sonic Radar III
- Sonic Studio III

- USB Ports

ASMedia® USB 3.1 Gen 2 controller :

1 x USB 3.1 Gen 2 front panel connector port(s) (Support 3A power output)

Intel® Z370 Chipset :

6 x USB 3.1 Gen 1 port(s) (4 at back panel, , 2 at mid-board)

Intel® Z370 Chipset :

6 x USB 2.0 port(s) (4 at back panel, , 2 at mid-board)

- ROG Exclusive Features

ROG RAMCache II

ROG CPU-Z

ROG CloneDrive

Overwolf

GameFirst IV

ROG Aura

- Aura Lighting Control

- Special Features

OC Design - ASUS PRO Clock Technology

- Full BCLK range for extreme overclocking performance

5-Way Optimization by Dual Intelligent Processors 5

- Whole system optimization with a single click! 5-Way Optimization tuning key perfectly consolidates TPU, EPU, DIGI+ VRM, Fan Xpert 4, and Turbo App together, providing better CPU performance, efficient power saving, precise digital power control, whole system cooling and even tailor your own app usages.

TPU

- Auto Tuning, TurboV, GPU Boost
- Fan Xpert 4 featuring Fan Auto Tuning function and multiple thermistors

Gamer's Guardian:

- DRAM Overcurrent Protection
- DIGI+ VRM
- SafeSlot
- ESD Guards on LAN, Audio, and USB ports

ASUS EPU :

- EPU

AURA :

- Aura Lighting Control
- Aura Lighting Effects Synchronization with compatible ASUS ROG devices
- Aura Addressable Strip Header(s)

ASUS Exclusive Features :

- AI Suite 3
- Ai Charger
- ESD Guards

ASUS Q-Design :

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

Gaming Aesthetics :

- AURA-RGB Lighting

- Back I/O Ports

- 1 x DisplayPort
- 1 x HDMI
- 1 x LAN (RJ45) port(s)
- 4 x USB 3.1 Gen 1
- 4 x USB 2.0
- 1 x Optical S/PDIF out
- 5 x Audio jack(s)
- 1 x ASUS 2x2 Wi-Fi 802.11 a/b/g/n/ac and Bluetooth v4.2 module

- Internal I/O Ports

- 1 x Aura Addressable Strip Header(s)
- 1 x AAFP connector
- 1 x M.2 Socket 3 with M key, type 2242/2260/2280 storage devices support (SATA & PCIE 3.0 x 4 mode)
- 1 x M.2 Socket 3 with M Key, type 2242/2260/2280 storage devices support (PCIE mode only)
- 4 x SATA 6Gb/s connector(s)
- 1 x CPU Fan connector(s)
- 1 x Chassis Fan connector(s)
- 1 x AIO_PUMP connector
- 1 x 24-pin EATX Power connector(s)
- 1 x 8-pin ATX Power connector
- 1 x System panel(s)
- 1 x Clear CMOS jumper(s)
- 1 x T_Sensor Connector
- 1 x USB 3.1 Gen 2 front panel connector
- 1 x USB 3.1 Gen 1 connector(s) support(s) additional 2 USB 3.1 Gen 1 port(s)
- 1 x USB 2.0 connector(s) support(s) additional 2 USB 2.0 port(s)

- Accessories

- User's manual
- M.2 2242 mounting kit
- I/O Shield
- 4 x SATA 6Gb/s cable(s)
- 2 x M.2 Screw Package
- 1 x CPU installation tool
- 1 x ASUS 2T2R dual band Wi-Fi moving antennas (Wi-Fi 802.11a/b/g/n compliant)
- 1 x SCD
- 1 x Panel cable
- 1 x STRIX series sticker

- BIOS

128 Mb Flash ROM, UEFI AMI BIOS, PnP, DMI3.0, SM BIOS 3.0 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, and ASUS DRAM SPD (Serial Presence Detect) memory information

- Support Disc

Drivers

ASUS Utilities

ASUS EZ Update

Anti-virus software (OEM version)

- Operating System

Windows® 10 64-bit

- Form Factor

Mini ITX Form Factor

6.7 inch x 6.7 inch (17 cm x 17 cm)

- Management Solution

DMI 3.0, WOL by PME, PXE

- Note

*1 For a 2242 storage device, use the bundled 2242 mounting kit.

*2 This function will work depending on the CPU installed.

*3 Intel® Optane Technology only supported when using 8th Generation Intel® Processors. Before using Intel® Optane memory modules, ensure that you have updated your motherboard drivers and BIOS to the latest version from ASUS support