

Procesador

AM4 Socket:

Supports AMD Ryzen™ 5000 series processors / 3rd Gen Ryzen™ / 2nd Gen Ryzen™ / 1st Gen Ryzen™ / 2nd Gen Ryzen™ with Radeon™ Vega Graphics / 1st Gen Ryzen™ with Radeon™ Vega Graphics / Athlon™ with Radeon™ Vega Graphics Processors

(Please refer "CPU Support List" for more information.)

Chipset

AMD B450

Memoria

4 x DDR4 DIMM sockets supporting up to 128 GB of system memory

Dual channel memory architecture

Support for DDR4 3600(O.C.) / 3466(O.C.) / 3200(O.C.) / 2933/2667/2400/2133 MHz memory modules

Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)

Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules

Support for Extreme Memory Profile (XMP) memory modules

(Please refer "Memory Support List" for more information.)

Gráficos Integrados

Integrated Graphics Processor:

1 x DVI-D port, supporting a maximum resolution of 1920x1200@60 Hz

* The DVI-D port does not support D-Sub connection by adapter.

1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz

* Support for HDMI 2.0 version and HDCP 2.2.

* Actual support may vary by CPU.

Maximum shared memory of 16 GB

Audio

Realtek Audio CODEC

High Definition Audio

2/4/5.1/7.1-channel

Support for S/PDIF Out

LAN

Realtek® GbE LAN chip (10/100/1000 Mbit)

Puertos de Expansión

1 x PCI Express x16 slot, running at x16 (PCIEX16)

* Actual support may vary by CPU.

* For optimum performance, if only one PCI Express graphics card is to be installed, be sure to install it in the PCIEX16 slot.

(The PCIEX16 slot conforms to PCI Express 3.0 standard.)

1 x PCI Express x16 slot, running at x4 (PCIEX4)

1 x PCI Express x1 slot

(The PCIEX4 and PCIEX1 slots conform to PCI Express 2.0 standard.)

Tecnología Multi-Gráficos

Support for AMD Quad-GPU CrossFire™ and 2-Way AMD CrossFire™ technologies

Interfaz de Almacenamiento

1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 SATA and PCIe 3.0 x4/x2 SSD support)

6 x SATA 6Gb/s connectors

Support for RAID 0, RAID 1, and RAID 10

* Refer to "1-7 Internal Connectors," for the installation notices for the M.2 and SATA connectors.

USB

Chipset:

2 x USB 3.1 Gen 2 Type-A ports (red) on the back panel

2 x USB 3.1 Gen 1 ports available through the internal USB header

6 x USB 2.0/1.1 ports (2 ports on the back panel, 4 ports available through the internal USB headers)

CPU:

4 x USB 3.1 Gen 1 ports on the back panel

Conectores Internos de E/S

1 x 24-pin ATX main power connector

1 x 8-pin ATX 12V power connector

1 x CPU fan header
2 x system fan headers
1 x M.2 Socket 3 connector
6 x SATA 6Gb/s connectors
1 x CPU cooler LED strip/RGB LED strip header
1 x RGB (RGBW) LED strip header
2 x digital LED strip headers
2 x digital LED strip power select jumpers
1 x front panel header
1 x front panel audio header
1 x S/PDIF Out header
1 x USB 3.1 Gen 1 header
2 x USB 2.0/1.1 headers
1 x Trusted Platform Module (TPM) header (2x10pin, for the GC-TPM2.0 module only)
1 x serial port header
1 x parallel port header
1 x Clear CMOS jumper

Conectores del Panel Trasero

1 x PS/2 keyboard/mouse port
1 x DVI-D port
1 x HDMI port
2 x USB 3.1 Gen 2 Type-A ports (red)
4 x USB 3.1 Gen 1 ports
2 x USB 2.0/1.1 ports
1 x RJ-45 port
6 x audio jacks

Controlador de E/S

ITE® I/O Controller Chip

Monitorización H/W

Voltage detection

Temperature detection

Fan speed detection

Overheating warning

Fan fail warning

Fan speed control

* Whether the fan speed control function is supported will depend on the cooler you install.

BIOS

2 x 128 Mbit flash

Use of licensed AMI UEFI BIOS

Support for DualBIOS™

PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0

Características Únicas

Support for APP Center

* Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.

3D OSD

AutoGreen

Cloud Station

EasyTune

Fast Boot

Game Boost

ON/OFF Charge

RGB Fusion

Smart Backup

Smart Keyboard

Smart TimeLock

Smart HUD

Smart Survey

System Information Viewer

USB Blocker

V-Tuner

Support for Q-Flash

Support for Xpress Install

Software Includo

Norton® Internet Security (OEM version)

Realtek® 8118 Gaming LAN Bandwidth Control Utility

Sistema Operativo

Support for Windows 10 64-bit

Support for Windows 7 64-bit

* To support Windows 7 64-bit, you must install an AMD Pinnacle Ridge & Summit Ridge CPU.

* Please download the "Windows USB Installation Tool" from GIGABYTE's website and install it before installing Windows 7.

Diseño

Micro ATX Form Factor; 24.4cm x 24.4cm