Procesador

AMD Socket AM4, support for: AMD Ryzen™ 5000 Series/ 3rd Generation AMD Ryzen™ processors/ 2nd Generation AMD Ryzen™ processors/ 2nd Generation AMD Ryzen™ with Radeon™ Vega Graphics processors/ AMD Ryzen™ with Radeon™ Vega Graphics processors

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

Chipset

AMD X570

Memoria

3rd Generation AMD Ryzen™ processors:

Support for DDR4 4400(O.C.) / 4300(O.C.) / 4266(O.C.) / 4133(O.C.) / 4000(O.C.) / 3866(O.C.) / 3800(O.C.) / 3733(O.C.) / 3600(O.C.) / 3466(O.C.) / 3400(O.C.) / 3333(O.C.) / 3300(O.C.) / 3200 / 2933 / 2667 / 2400 / 2133 MHz memory modules

2nd Generation AMD Ryzen™ processors/AMD Ryzen™ with Radeon™ Vega Graphics processors:

Support for DDR4 3600(O.C.) / 3400(O.C.) / 3333(O.C.) / 3200(O.C.) / 2933 / 2667 / 2400 / 2133 MHz memory modules

4 x DDR4 DIMM sockets supporting up to 128 GB (32 GB single DIMM capacity) of system memory

Dual channel memory architecture

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

* ECC mode supported by 3rd Gen AMD Ryzen™/ 2nd Gen AMD Ryzen™ and only PRO sku of 2nd Gen AMD Ryzen™ with Radeon™ Vega Graphics processors/ AMD Ryzen™ with Radeon™ Vega Graphics processors.

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

* Support for HDMI 2.0 version, HDCP 2.2, and HDR.

Maximum shared memory of 16 GB

Note: For 2nd Generation AMD Ryzen™ with Radeon™ Vega Graphics processors/AMD Ryzen™ with Radeon™ Vega Graphics processors only.

Audio

Realtek® ALC1220-VB codec

* The back panel line out jack supports DSD audio.

High Definition Audio

2/4/5.1/7.1-channel

Support for S/PDIF Out

LAN

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

Wireless Communication module

Wi-Fi 802.11a/b/g/n/ac/ax, supporting 2.4/5 GHz Dual-Band

BLUETOOTH 5.0

Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate

* Actual data rate may vary depending on environment and equipment.

Puertos de Expansión

Integrated in the CPU (PCIEX16/PCIEX8):

· 3rd Generation AMD Ryzen™ processors:

1 x PCI Express x16 slot, supporting PCIe 4.0 and running at x16 (PCIEX16)

1 x PCI Express x16 slot, supporting PCIe 4.0 and running at x8 (PCIEX8)

· 2nd Generation AMD Ryzen™ processors:

1 x PCI Express x16 slot, supporting PCIe 3.0 and running at x16 (PCIEX16)

1 x PCI Express x16 slot, supporting PCIe 3.0 and running at x8 (PCIEX8)

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

* The PCIEX8 slot shares bandwidth with the PCIEX16 slot. When using the 3rd Generation AMD Ryzen™ processors/2nd Generation AMD Ryzen™ processors and PCIEX8 slot is populated, the PCIEX16 slot operates at up to x8 mode.

· 2nd Generation AMD Ryzen™ with Radeon™ Vega Graphics processors/AMD Ryzen™ with Radeon™ Vega Graphics processors:

1 x PCI Express x16 slot, supporting PCIe 3.0 and running at x8 (PCIEX16)

Integrated in the Chipset (PCIEX4/PCIEX1):

1 x PCI Express x16 slot, supporting PCIe 4.0*/3.0 and running at x4 (PCIEX4)

* For 3rd Generation AMD Ryzen™ processors only.

2 x PCI Express x1 slots, supporting PCIe 4.0*/3.0

* For 3rd Generation AMD Ryzen™ processors only.

Tecnología Multi-Gráficos

Support for NVIDIA® Quad-GPU SLI™ and 2-Way NVIDIA® SLI™ technologies

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

Note: For 3rd Generation AMD Ryzen™ processors/2nd Generation AMD Ryzen™ processors only.

Interfaz de Almacenamiento

Integrated in the CPU (M2A_SOCKET):

· 3rd Generation AMD Ryzen™ processors:

1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 SATA and PCIe 4.0 x4/x2 SSD support)

· 2nd Generation AMD Ryzen™ processors/2nd Generation AMD Ryzen™ with Radeon™ Vega Graphics processors/AMD Ryzen™ with Radeon™ Vega Graphics processors:

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

Integrated in the Chipset (M2B_SOCKET):

1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 SATA and PCIe 4.0*/3.0 x4/x2 SSD support)

* For 3rd Generation AMD Ryzen™ processors only.

6 x SATA 6Gb/s connectors

Support for RAID 0, RAID 1, and RAID 10

USB

Integrated in the CPU:

3 x USB 3.2 Gen 1 ports on the back panel

1 x USB 3.2 Gen 2*/Gen 1 Type-A port (red) on the back panel

* For 3rd Generation AMD Ryzen™ processors only.

Chipset:

1 x USB Type-C™ port with USB 3.2 Gen 2 support, available through the internal USB header

1 x USB Type-C™ port on the back panel, with USB 3.2 Gen 2 support

1 x USB 3.2 Gen 2 Type-A port (red) on the back panel

4 x USB 3.2 Gen 1 ports available through the internal USB headers

Chipset+USB 2.0 Hubs:

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

Conectores Internos de E/S

1 x 24-pin ATX main power connector

1 x 8-pin ATX 12V power connector

1 x 4-pin ATX 12V power connector

1 x CPU fan header

1 x water cooling CPU fan header

3 x system fan headers

2 x system fan/water cooling pump headers

2 x addressable LED strip headers

2 x RGB LED strip headers

1 x CPU cooler LED strip/RGB LED strip header

2 x M.2 Socket 3 connectors

6 x SATA 6Gb/s connectors

1 x front panel header

1 x front panel audio header

1 x USB Type-C™ port, with USB 3.2 Gen 2 support

2 x USB 3.2 Gen 1 headers

2 x USB 2.0/1.1 headers

1 x Trusted Platform Module (TPM) header (2x6 pin, for the GC-TPM2.0_S module only)

1 x Clear CMOS jumper

2 x temperature sensor headers

1 x Q-Flash Plus button

Conectores del Panel Trasero

2 x SMA antenna connectors (2T2R)

1 x HDMI port

1 x USB Type-C™ port, with USB 3.2 Gen 2 support

1 x USB 3.2 Gen 2*/Gen 1 Type-A port (red)

* For 3rd Generation AMD Ryzen™ processors only.

1 x USB 3.2 Gen 2 Type-A port (red)

3 x USB 3.2 Gen 1 ports

4 x USB 2.0/1.1 ports

1 x RJ-45 port

1 x optical S/PDIF Out connector

5 x audio jacks

Controlador de E/S

iTE® I/O Controller Chip

Monitorización H/W

Voltage detection

Temperature detection

Fan speed detection

Water cooling flow rate detection

Overheating warning

Fan fail warning

Fan speed control

* Whether the fan (pump) speed control function is supported will depend on the fan (pump) 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.

@BIOS

AutoGreen

Cloud Station

EasyTune

Fast Boot

Game Boost

ON/OFF Charge

RGB Fusion

Smart Backup

Smart Keyboard

Smart Survey

System Information Viewer

USB Blocker

Support for Q-Flash Plus

Support for Q-Flash

Support for Xpress Install

Software Incluido

Norton® Internet Security (OEM version)

cFosSpeed

XSplit Gamecaster + Broadcaster (12 months license)

Sistema Operativo

Support for Windows 10 64-bit

Diseño

ATX Form Factor; 30.5cm x 24.4cm

Otras Descripciones

Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website.

Most hardware/software vendors may no longer offer drivers to support Win9X/ME/2000/XP. If drivers are available from the vendors, we will update them on the GIGABYTE website.