

Procesador

Support for 10th Generation Intel® Core™ i9 processors/Intel® Core™ i7 processors/Intel® Core™ i5 processors/Intel® Core™ i3 processors/Intel® Pentium® processors/Intel® Celeron® processors in the LGA1200 package

L3 cache varies with CPU

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

Chipset

Intel® Z490 Express Chipset

Memoria

Intel® Core™ i9/i7 processors:

Support for DDR4 5000(O.C.)/4933(O.C.)/4800(O.C.)/ 4700(O.C.)/ 4600(O.C.)/ 4500(O.C.)/ 4400(O.C.)/ 4300(O.C.)/4266(O.C.) / 4133(O.C.) / 4000(O.C.) / 3866(O.C.) / 3800(O.C.) / 3733(O.C.) / 3666(O.C.) / 3600(O.C.) / 3466(O.C.) / 3400(O.C.) / 3333(O.C.) / 3300(O.C.) / 3200(O.C.) / 3000(O.C.) / 2933 / 2800 / 2666 / 2400 / 2133 MHz

Intel® Core™ i5/i3/Pentium®/Celeron® processors:

Support for DDR4 2666/2400/2133 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 (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 to "Memory Support List" for more information.)

Gráficos Integrados

Integrated Graphics Processor-Intel® HD Graphics support:

1 x HDMI port, supporting a maximum resolution of 4096x2160@30 Hz

* Support for HDMI 1.4 version and HDCP 2.3.

Maximum shared memory of 512 MB

Audio

Realtek® ALC1220-VB codec

* The front panel line out jack supports DSD audio.

ESS ES9118EQ DAC chip

Support for DTS:X® Ultra

High Definition Audio

2/4/5.1/7.1-channel

Support for S/PDIF Out

LAN

Intel® 2.5GbE LAN chip (2.5 Gbit/1 Gbit/100 Mbit)

Wireless Communication module

Intel® Wi-Fi 6 AX201

WIFI a, b, g, n, ac with wave 2 features, 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

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

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

1 x PCI Express x16 slot, running at x8 (PCIEX8)

* The PCIEX8 slot shares bandwidth with the PCIEX16 slot. When the PCIEX8 slot is populated, the PCIEX16 slot operates at up to x8 mode.

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

(All of the PCI Express slots conform to PCI Express 3.0 standard.)

Supports up to ASPM L1.2 power management protocols.

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

Interfaz de Almacenamiento

1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 PCIe x4/x2 SSD support) (M2P_SB)

1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 SATA and PCIe x4/x2 SSD support) (M2A_CPU)

1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 SATA and PCIe x4/x2 SSD support) (M2M_SB)

6 x SATA 6Gb/s connectors

Support for RAID 0, RAID 1, RAID 5, and RAID 10

* Refer to "1-9 Internal Connectors," for the installation notices for the M.2 and SATA connectors.

Intel® Optane™ Memory Ready

M.2 connectors support up to ASPM L1.2 PCIe power management protocols.

USB

Chipset:

2 x USB Type-C™ ports, with USB 3.2 Gen 2 support (1 port on the back panel, 1 port available through the internal USB header)

3 x USB 3.2 Gen 2 Type-A ports (red) on the back panel

4 x USB 3.2 Gen 1 ports (2 ports on the back panel, 2 ports available through the internal USB header)

Chipset+2 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

2 x 8-pin ATX 12V power connectors

1 x CPU fan header

1 x water cooling CPU fan header

4 x system fan headers

2 x system fan/water cooling pump headers

2 x addressable LED strip headers

2 x RGB LED strip headers

3 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™ header, with USB 3.2 Gen 2 support

1 x USB 3.2 Gen 1 header

2 x USB 2.0/1.1 headers

1 x noise detection header

2 x Thunderbolt™ add-in card connectors

1 x Trusted Platform Module header (For the GC-TPM2.0SPI/GC-TPM2.0SPI 2.0 module only)

1 x power button

1 x reset button

2 x temperature sensor headers

1 x Clear CMOS jumper

2 x BIOS switches

Conectores del Panel Trasero

1 x Q-Flash Plus button

1 x Clear CMOS button

2 x SMA antenna connectors (2T2R)

1 x HDMI port

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

3 x USB 3.2 Gen 2 Type-A ports (red)

2 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.

Noise detection

BIOS

2 x 256 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

EasyTune

Fast Boot

Game Boost

RGB Fusion

Smart Backup

System Information Viewer

USB TurboCharger

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