

Procesador Intel® Core™ i7-9700K

caché de 12 M, hasta 4,90 GHz

Número de procesador	i7-9700K
Estado	Launched
Fecha de lanzamiento	Q4'18
Litografía	14 nm

Especificaciones de la CPU

Cantidad de núcleos	8
Cantidad de subprocesos	8
Frecuencia básica del procesador	3,60 GHz
Frecuencia turbo máxima	4,90 GHz
Caché	12 MB Intel® Smart Cache
Velocidad del bus	8 GT/s
Frecuencia de la Tecnología Intel® Turbo Boost 2.0‡	4.90 GHz
TDP	95 W

PRIME Z390-P

CPU

Intel® Socket 1151 9th / 8th Gen Intel® Core™, Pentium® Gold and Celeron® Processors

Supports Intel® 14 nm CPU

Supports Intel® Turbo Boost Technology 2.0

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

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

Chipset

Intel® Z390

Memoria

4 x DIMM, Max. 64GB, DDR4

4266(O.C.)/4133(O.C.)/4000(O.C.)/3866(O.C.)/3733(O.C.)/3600(O.C.)/3466(O.C.)/3400(O.C.)/3333(O.C.)/3300(O.C.)/3200(O.C.)/300

0(O.C.)/2800(O.C.)/2666/2400/2133 MHz Non-ECC, Un-buffered Memory

Dual Channel Memory Architecture

Supports Intel® Extreme Memory Profile (XMP)

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

* The maximum memory frequency supported varies by processor.

Gráfica

Integrated Graphics Processor- Intel® UHD Graphics support

Multi-VGA output support : HDMI/DisplayPort ports

- Supports HDMI with max. resolution 4096 x 2160 @ 30 Hz

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

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

DP 1.2 Multi-Stream Transport compliant, supports DP 1.2 monitor daisy chain up to 3 displays

PRIME Z390-P

Puertos posteriores I/O

1 x PS/2 keyboard (purple)
1 x PS/2 mouse (green)
1 x DisplayPort
1 x HDMI
1 x LAN (RJ45) port(s)
2 x USB 3.1 Gen 2 Type-A,
4 x USB 3.1 Gen 1 Type-A
3 x 8-channel Audio I/O

Form Factor

ATX Form Factor
12.0 inch x 9.2 inch (30.5 cm x 23.4 cm)

Internal I/O

1 x Lighting Control RGB Strip Header(s)
2 x USB 3.1 Gen 1(up to 5Gbps) connector(s) support(s) additional 4 USB 3.1 Gen 1 port(s)
1 x USB 2.0 1-port connector(s) support(s) additional 1 USB 2.0 port(s)
1 x USB 2.0 connector(s) support(s) additional 2 USB 2.0 port(s)
1 x M.2 Socket 1 with E key, type 2230 Wi-Fi/BT device support or Intel® CNVi (Integrated Wi-Fi/BT) module
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 (SATA & PCIE 3.0 X2 mode)
1 x COM port(s) connector(s)
4 x SATA 6Gb/s connector(s)
1 x CPU Fan connector(s)
2 x Chassis Fan connector(s)
1 x AIO_PUMP connector
1 x S/PDIF out header(s)
1 x 8-pin EATX 12 V Power connector
1 x 24-pin EATX Power connector(s)
1 x Front panel audio connector(s) (AAFP)
1 x MemOK! II switch(es)
1 x Clear CMOS jumper(s)
1 x System panel connector