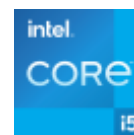


Intel® Core™ i5-13600KF Processor

[intel.com/content/www/us/en/products/sku/230494/intel-core-i513600kf-processor-24m-cache-up-to-5-10-ghz/specifications.html](https://www.intel.com/content/www/us/en/products/sku/230494/intel-core-i513600kf-processor-24m-cache-up-to-5-10-ghz/specifications.html)



24M Cache, up to 5.10 GHz

Essentials

13th Generation Intel® Core™ i5 Processors

Processor Number

i5-13600KF

CPU Specifications

Total Cores

14

of Performance-cores

6

of Efficient-cores

8

Total Threads

20

Max Turbo Frequency

5.10 GHz

Performance-core Max Turbo Frequency

5.10 GHz

Efficient-core Max Turbo Frequency

3.90 GHz

Performance-core Base Frequency

3.50 GHz

Efficient-core Base Frequency

2.60 GHz

Cache

24 MB Intel® Smart Cache

Total L2 Cache

20 MB

Processor Base Power

125 W

Maximum Turbo Power

181 W

Memory Specifications

Max Memory Size (dependent on memory type)

128 GB

Memory Types

Up to DDR5 5600 MT/s

Up to DDR4 3200 MT/s

Max # of Memory Channels

2

Max Memory Bandwidth

89.6 GB/s

Expansion Options

Direct Media Interface (DMI) Revision

4.0

Max # of DMI Lanes

8

Scalability

1S Only

PCI Express Revision

5.0 and 4.0

PCI Express Configurations ‡

Up to 1x16+4, 2x8+4

Max # of PCI Express Lanes

20

Sockets Supported

FCLGA1700

Advanced Technologies

Intel® Gaussian & Neural Accelerator

3.0

Intel® Thread Director

Yes

Intel® Deep Learning Boost (Intel® DL Boost)

Yes

Intel® Speed Shift Technology

Yes

Intel® Turbo Boost Max Technology 3.0 ‡

No

Intel® Turbo Boost Technology ‡

2.0

Intel® Hyper-Threading Technology ‡

Yes

Intel® 64 ‡

Yes

Instruction Set

64-bit

Instruction Set Extensions

Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2

Idle States

Yes

Enhanced Intel SpeedStep® Technology

Yes

Thermal Monitoring Technologies

Yes

Intel® Volume Management Device (VMD)

Yes

Security & Reliability

Intel® Standard Manageability (ISM) ‡

Yes

Intel® Control-Flow Enforcement Technology

Yes

Intel® AES New Instructions

Yes

Secure Key

Yes

Intel® OS Guard

Yes

Execute Disable Bit ‡

Yes

Intel® Boot Guard

Yes

Mode-based Execute Control (MBEC)

Yes

Intel® Virtualization Technology (VT-x) ‡

Yes

Intel® Virtualization Technology for Directed I/O (VT-d) *

Yes

Intel® VT-x with Extended Page Tables (EPT) *

Yes