

CPU s1700 INTEL Core i7-13700F 16-Core
2.10GHz (5.20GHz) Tray

Šifra: 63153

Kategorija proizvoda: PROCESORI INTEL

Proizvođač: Intel

Cena: **38.060,00** rsd.



CPU Specifications

Total Cores

16

of Performance-cores

8

of Efficient-cores

8

Total Threads

24

Max Turbo Frequency

5.20 GHz

Intel® Turbo Boost Max Technology 3.0 Frequency †

5.20 GHz

Performance-core Max Turbo Frequency

5.10 GHz

Efficient-core Max Turbo Frequency

4.10 GHz

Performance-core Base Frequency

2.10 GHz

Efficient-core Base Frequency

1.50 GHz

Cache

30 MB Intel® Smart Cache

Total L2 Cache

24 MB

Processor Base Power

65 W

Maximum Turbo Power

219 W

Supplemental Information

Marketing Status

Launched

Launch Date

Q1'23

Embedded Options Available

No

Datasheet

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Memory Specifications

Max Memory Size (dependent on memory type)

192 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

Package Specifications

Sockets Supported
FCLGA1700

Max CPU Configuration
1

Thermal Solution Specification
PCG 2020C

T_{JUNCTION}
100°C

Package Size
45.0 mm x 37.5 mm

Advanced Technologies

Intel® Gaussian & Neural Accelerator
3.0

Intel® Thread Director
Yes

Intel® Deep Learning Boost (Intel® DL Boost) on CPU
Yes

Intel® Speed Shift Technology
Yes

Intel® Turbo Boost Max Technology 3.0 ‡
Yes

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