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CPU s1700 INTEL Core i9-12900K 5.2GHz Box

Šifra: 30637
Kategorija proizvoda: INTEL PROCESORI
Proizvođač: INTEL

Cena: **43.740,00** rsd.



Essentials

Product Collection [12th Generation Intel® Core™ i9 Processors](#)

Code Name [Products formerly Alder Lake](#)

Vertical

Processor Number i9-12900K

Status

Launch Date Q4'21

Lithogr

Use Conditions PC/Client/Tablet

Recom

CPU Specifications

Total Cores 16

of Performance-cores 8

of Ef

Total Threads 24

Max Tu

Intel® Turbo Boost Max Technology 3.0 Frequency ± 5.20 GHz

Perform

Efficient-core Max Turbo Frequency 3.90 GHz

Perform

Efficient-core Base Frequency 2.40 GHz

Cache 3

Total L2 Cache 14 MB

Process

Maximum Turbo Power 241 W

Supplemental Information

Embedded Options Available No

Memory Specifications

Max Memory Size (dependent on memory type) 128 GB

Memory Types Up to DDR5 4800 MT/s

Max #

Up to DDR4 3200 MT/s

Max Memory Bandwidth 76.8 GB/s

Processor Graphics

Processor Graphics # Intel® UHD Graphics 770

Graphics Base Frequency 300 MHz

Graphi

Graphics Output eDP 1.4b, DP 1.4a, HDMI 2.1

Execut

Max Resolution (HDMI) ± 4096 x 2160 @ 60Hz

Max Re

Max Resolution (eDP - Integrated Flat Panel) ± 5120 x 3200 @ 120Hz

DirectX

OpenGL* Support 4.5

Multi-F

Intel® Quick Sync Video Yes

Intel®

of Displays Supported ± 4

Device

OpenCL* Support 2.1

Expansion Options

Direct Media Interface (DMI) Revision 4.0

Max # of DMI Lanes 8

Scalabl

PCI Express Revision 5.0 and 4.0

PCI Exp

Max # of PCI Express Lanes 20

Package Specifications

Sockets Supported FCLGA1700

Max CPU Configuration 1
T_{JUNCTION} 100°C

Thermal
Packaging

Advanced Technologies

Intel® Gaussian & Neural Accelerator 3.0

Intel® Thread Director Yes
Intel® Optane™ Memory Supported † Yes
Intel® Turbo Boost Max Technology 3.0 † Yes
Intel® Hyper-Threading Technology † Yes
Intel® Virtualization Technology for Directed I/O (VT-d) † Yes
Intel® 64 † Yes
Instruction Set Extensions Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
Enhanced Intel SpeedStep® Technology Yes
Intel® Volume Management Device (VMD) Yes

Intel®
Intel®
Intel®
Intel®
Intel®
Instruc
Idle Sta
Thermal

Security & Reliability

Intel® AES New Instructions Yes

Secure Key Yes
Execute Disable Bit † Yes
Mode-based Execute Control (MBE) Yes

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