

INTEL

Procesor Intel Core i9-13900KF / 24 Cores / 32 Threads / 5.8GHz / 36MB Cache / LGA1700 - Tray

SKU: 17019751 · EAN: 8592978411251

SPECIFIKAT TEKNIKE

80 specifikat e produktit

ATRIBUTI	VLERA
Processor	
Processor manufacturer	Intel
Processor generation	13th gen Intel® Core™ i9
Processor model	i9-13900KF
Processor family	Intel® Core™ i9
Processor cores	24
Processor socket	LGA 1700
Processor threads	32
Processor operating modes	64-bit
Performance cores	8
Efficient cores	16
Processor boost frequency	5.8 GHz
Performance-core boost frequency	5.4 GHz
Performance-core base frequency	3 GHz
Efficient-core boost frequency	4.3 GHz
Efficient-core base frequency	2.2 GHz
Processor cache	36 MB
Processor cache type	Smart Cache
Package type	Tray
Processor base power	125 W
Maximum turbo power	253 W
Stepping	B0
Bus type	DMI4
Maximum number of DMI lanes	8
Memory bandwidth supported by processor (max)	89.6 GB/s
Processor codename	Raptor Lake
Processor ARK ID	230497

Memory	
Maximum internal memory supported by processor	192 GB
Memory types supported by processor	DDR4-SDRAM, DDR5-SDRAM
Memory channels	Dual-channel
Memory bandwidth (max)	89.6 GB/s
Graphics	
On-board graphics card model	Not available
Discrete graphics card model	Not available
Features	
Feature	Execute Disable Bit
Feature	Idle States
Feature	Thermal Monitoring Technologies
Market segment	Desktop
Use conditions	PC/Client/Tablet
Maximum number of PCI Express lanes	20
PCI Express slots version	5.0, 4.0
PCI Express configurations	1x16+1x4, 2x8+1x4
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Scalability	1S
CPU configuration (max)	1
Thermal solution specification	PCG 2020A
Direct Media Interface (DMI) Revision	4.0
Export Control Classification Number (ECCN)	5A992C
Commodity Classification Automated Tracking System (CCATS)	740.17B1
Processor special features	
Feature	Intel® Hyper Threading Technology (Intel® HT Technology)
Intel® Turbo Boost Technology	2.0
Feature	Intel® AES New Instructions (Intel® AES-NI)
Feature	Enhanced Intel SpeedStep Technology
Feature	Intel® Speed Shift Technology
Feature	Intel® Thermal Velocity Boost
Feature	Intel® Adaptive Boost Technology
Intel® Turbo Boost Max Technology 3.0 frequency	5.7 GHz
Feature	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0
Intel® Thermal Velocity Boost Frequency	5.8 GHz

Feature	Intel® Control-flow Enforcement Technology (CET)
Feature	Intel® Thread Director
Feature	Intel Enhanced Halt State
Feature	Intel VT-x with Extended Page Tables (EPT)
Feature	Intel® Secure Key
Feature	Intel® OS Guard
Feature	Intel 64
Feature	Intel Virtualization Technology (VT-x)
Feature	Intel Virtualization Technology for Directed I/O (VT-d)
Feature	Intel Turbo Boost Max Technology 3.0
Feature	Intel® Boot Guard
Feature	Intel® Deep Learning Boost (Intel® DL Boost) on CPU
Feature	Intel® Volume Management Device (VMD)
Feature	Mode-based Execute Control (MBE)
Feature	Intel® Standard Manageability (ISM)
Operational conditions	
Tjunction	100 °C
Logistics data	
Harmonized System (HS) code	8542310001
Technical details	
Target market	Gaming, Content Creation
Launch date	Q4'22
Status	Launched
Weight & dimensions	
Processor package size	45 x 37.5 mm
Other features	
L2 cache	32768 KB
Maximum internal memory	192 GB