

Intel Core i9-14900KF processor 36 MB Smart Cache Box



Model: BX8071514900KF

Manufacturer: INTEL

EAN: 5032037278546

Product Code: 1249706

R11,012

Maximum turbo power: 253 W | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® Thread Director: Yes | Intel® OS Guard: Yes | Intel® Boot Guard: Yes | Processor ARK ID: 236787 | Intel® Secure Key: Yes | Intel® Thermal Velocity Boost: Yes | Idle States: Yes | Intel® Speed Shift Technology: Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Market segment: Desktop | Processor cache type: Smart Cache | Processor threads: 32 | Status: Launched | Launch date: Q4'23 | Supported instruction sets: SSE4.1 | Maximum number of PCI Express lanes: 20 | Scalability: 1S | Memory bandwidth supported by processor (max): 89.6 GB/s | Discrete graphics card: No | Harmonized System (HS) code: 8542310001 | Supported instruction sets: AVX 2.0 | Stepping: B0 | Supported instruction sets: SSE4.2 | Execute Disable Bit: Yes | Box: Yes | Processor model: i9-14900KF | Direct Media Interface (DMI) Revision: 4.0 | Memory bandwidth (max): 89.6 GB/s | Processor cores: 24 | Intel® Volume Management Device (VMD): Yes | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Processor

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

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base power: 125 W | Processor manufacturer: Intel | Enhanced Intel SpeedStep Technology: Yes | Intel Turbo Boost Max Technology 3.0: Yes | Intel 64: Yes | Intel® Standard Manageability (ISM): Yes | Processor generation: Intel® Core™ i9 (14th gen) | Performance-core base frequency: 3.2 GHz | Processor socket: LGA 1700 | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Memory channels: Dual-channel | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Performance cores: 8 | Use conditions: PC/Client/Tablet | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | L2 cache: 32768 KB | Processor operating modes: 64-bit | Performance-core boost frequency: 5.6 GHz | Processor cache: 36 MB | Tjunction: 100 °C | Thermal solution specification: PCG 2020A | Intel® Adaptive Boost Technology: Yes | Memory types supported by processor: DDR5-SDRAM | Processor family: Intel® Core™ i9 | Cooler included: No | Mode-based Execute Control (MBE): Yes | On-board graphics card: No | Maximum number of DMI lanes: 8 | Intel® Control-flow Enforcement Technology (CET): Yes | Efficient cores: 16 | Intel® Turbo Boost Max Technology 3.0 frequency: 5.8 GHz | Intel® Thermal Velocity Boost Frequency: 6 GHz | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Export Control Classification Number (ECCN): 5A992C | Warnings: Do not install on a switched-on device. | Warnings: Avoid contact with liquid. | Warnings: Protect against overheating. | CPU configuration (max): 1 | PCI Express slots version: 5.0 | PCI Express slots version: 4.0 | Maximum internal memory: 192 GB | On-board graphics card model: Not available | Discrete graphics card model: Not available | Thermal Monitoring Technologies: Yes | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Processor codename: Raptor Lake | Processor package size: 45 x 37.5 mm | Intel® Turbo Boost Technology: 2.0 | Embedded options available: No | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Non-ECC: Yes

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