

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



Model: BX8071514900K

Manufacturer: INTEL

EAN: 5032037278522

Product Code: 1249705

R11,538

Warnings: Protect against overheating. | Warnings: Avoid contact with liquid. | Warnings: Do not install on a switched-on device. | Processor cache: 36 MB | Processor family: Intel® Core™ i9 | Discrete graphics card model: Not available | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Thermal Monitoring Technologies: Yes | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Processor model: i9-14900K | Maximum number of PCI Express lanes: 20 | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel® Quick Sync Video Technology: Yes | On-board graphics card DirectX version: 12.0 | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Embedded options available: No | On-board graphics card model: Intel UHD Graphics 770 | Processor cores: 24 | Intel® Turbo Boost Technology: 2.0 | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Maximum internal memory: 192 GB | PCI Express slots version: 4.0 | Tjunction: 100 °C | Non-ECC: Yes | Processor threads: 32 | CPU configuration (max): 1 | Number of execution units: 32 |

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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Memory bandwidth (max): 89.6 GB/s | Processor codename: Raptor Lake | Processor operating modes: 64-bit | Stepping: B0 | Processor package size: 45 x 37.5 mm | Enhanced Intel SpeedStep Technology: Yes | Intel Turbo Boost Max Technology 3.0: Yes | Supported instruction sets: SSE4.1 | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Performance cores: 8 | Status: Launched | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Performance-core base frequency: 3.2 GHz | Memory bandwidth supported by processor (max): 89.6 GB/s | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | On-board graphics card outputs supported: HDMI 2.1 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Scalability: 1S | Performance-core boost frequency: 5.6 GHz | Supported instruction sets: AVX 2.0 | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Intel® Thread Director: Yes | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Intel® Turbo Boost Max Technology 3.0 frequency: 5.8 GHz | Number of displays supported (on-board graphics): 4 | Intel® Control-flow Enforcement Technology (CET): Yes | On-board graphics card outputs supported: DisplayPort 1.4a | Market segment: Desktop | Supported instruction sets: SSE4.2 | Intel® Speed Shift Technology: Yes | Efficient cores: 16 | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | On-board graphics card dynamic frequency (max): 1650 MHz | Cooler included: No | On-board graphics card OpenGL version: 4.5 | Memory types supported by processor: DDR5-SDRAM | Thermal solution specification: PCG 2020A | Launch date: Q4'23 | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Intel® Thermal Velocity Boost Frequency: 6 GHz | Intel® Thermal Velocity Boost: Yes | Mode-based Execute Control (MBE): Yes | L2 cache: 32768 KB | Harmonized System (HS) code: 8542310001 | Intel® Volume Management Device (VMD): Yes | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | On-board graphics card ID: 0xA780 | Intel® Boot Guard: Yes | Export Control Classification Number (ECCN): 5A992C | Box: Yes | Processor manufacturer: Intel | ECC: Yes | Intel Virtualization Technology (VT-x): Yes | OpenCL version: 3.0 | On-board graphics card: Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Direct Media Interface (DMI) Revision: 4.0 | Intel 64: Yes | Use conditions: PC/Client/Tablet | Use conditions: Workstation | Idle States: Yes | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Processor base power: 125 W | Discrete graphics card: No | Processor generation: Intel® Core™ i9 (14th gen) | Memory channels: Dual-channel | Intel® Standard Manageability (ISM): Yes | Maximum number of DMI lanes: 8 | Intel® Adaptive Boost Technology: Yes | Intel® Secure Key: Yes | Execute Disable Bit: Yes | Intel® OS Guard: Yes |

Processor ARK ID: 236773 | Maximum turbo power: 253 W | Multi-Format Codec Engines: 2 | On-

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board graphics card base frequency: 300 MHz | Processor socket: LGA 1700

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