

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



Model: BX8071514900K

Manufacturer: INTEL

EAN: 5032037278522

Product Code: 937128

R11,049

Warnings: Do not install on a switched-on device. | Warnings: Avoid contact with liquid. | Warnings: Protect against overheating. | Tjunction: 100 °C | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Maximum number of PCI Express lanes: 20 | Embedded options available: No | On-board graphics card DirectX version: 12.0 | PCI Express slots version: 4.0 | Processor operating modes: 64-bit | Intel® Turbo Boost Technology: 2.0 | Processor threads: 32 | Discrete graphics card model: Not available | Intel® Quick Sync Video Technology: Yes | Processor cache: 36 MB | Processor family: Intel® Core™ i9 | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Non-ECC: Yes | CPU configuration (max): 1 | Processor codename: Raptor Lake | Stepping: B0 | Enhanced Intel SpeedStep Technology: Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Memory bandwidth (max): 89.6 GB/s | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Processor package size: 45 x 37.5 mm | On-board graphics card model: Intel UHD Graphics 770 | Processor cores: 24 | Processor model: i9-14900K |

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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Thermal Monitoring Technologies: Yes | Number of execution units: 32 | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Maximum internal memory: 192 GB | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Intel® Speed Shift Technology: Yes | Intel® Thermal Velocity Boost: Yes | Number of displays supported (on-board graphics): 4 | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Cooler included: No | Maximum internal memory supported by processor: 192 GB | On-board graphics card dynamic frequency (max): 1650 MHz | Intel® Volume Management Device (VMD): Yes | Mode-based Execute Control (MBE): Yes | Memory types supported by processor: DDR5-SDRAM | L2 cache: 32768 KB | Launch date: Q4'23 | Memory types supported by processor: DDR4-SDRAM | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Thermal solution specification: PCG 2020A | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | Intel Turbo Boost Max Technology 3.0: Yes | On-board graphics card ID: 0xA780 | Box: Yes | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Supported instruction sets: SSE4.2 | Memory bandwidth supported by processor (max): 89.6 GB/s | Intel® Boot Guard: Yes | Status: Launched | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | On-board graphics card outputs supported: DisplayPort 1.4a | Supported instruction sets: SSE4.1 | Harmonized System (HS) code: 8542310001 | On-board graphics card OpenGL version: 4.5 | Market segment: Desktop | Supported instruction sets: AVX 2.0 | On-board graphics card outputs supported: HDMI 2.1 | Scalability: 1S | Processor socket: LGA 1700 | Intel® Adaptive Boost Technology: Yes | Intel® Thread Director: Yes | Maximum number of DMI lanes: 8 | ECC: Yes | Intel® Turbo Boost Max Technology 3.0 frequency: 5.8 GHz | Idle States: Yes | Processor base power: 125 W | Intel® Thermal Velocity Boost Frequency: 6 GHz | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | OpenCL version: 3.0 | Memory channels: Dual-channel | Processor generation: Intel® Core™ i9 (14th gen) | Intel Virtualization Technology (VT-x): Yes | Processor manufacturer: Intel | Export Control Classification Number (ECCN): 5A992C | Intel® Control-flow Enforcement Technology (CET): Yes | Intel 64: Yes | Discrete graphics card: No | On-board graphics card: Yes | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Execute Disable Bit: Yes | On-board graphics card base frequency: 300 MHz | Intel® Secure Key: Yes | Performance cores: 8 | Use conditions: PC/Client/Tablet | Use conditions: Workstation | Performance-core boost frequency: 5.6 GHz | Performance-core base frequency: 3.2 GHz | Intel VT-x with Extended Page Tables (EPT): Yes | Maximum turbo power: 253 W | Efficient cores: 16 | Multi-Format Codec Engines: 2 | Direct Media Interface (DMI) Revision: 4.0 | Intel® Standard Manageability (ISM): Yes | Processor ARK ID: 236773 |

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Intel® OS Guard: Yes

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