

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



Model: BX8071514900K

Manufacturer: INTEL

EAN: 5032037278522

Product Code: 609621

R10,722

Warnings: Do not install on a switched-on device. | Warnings: Protect against overheating. | Warnings: Avoid contact with liquid. | Non-ECC: Yes | CPU configuration (max): 1 | Maximum internal memory: 192 GB | Embedded options available: No | Number of execution units: 32 | Discrete graphics card model: Not available | On-board graphics card DirectX version: 12.0 | PCI Express slots version: 4.0 | Processor package size: 45 x 37.5 mm | PCI Express slots version: 5.0 | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Thermal Monitoring Technologies: Yes | Processor model: i9-14900K | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Processor cache: 36 MB | On-board graphics card model: Intel UHD Graphics 770 | Processor cores: 24 | Processor family: Intel® Core™ i9 | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor threads: 32 | Processor codename: Raptor Lake | Stepping: B0 | Processor cache type: Smart Cache | Enhanced Intel SpeedStep Technology: Yes | Maximum number of PCI Express lanes: 20 | Memory bandwidth (max): 89.6 GB/s |

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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Intel Virtualization Technology for Directed I/O (VT-d): Yes | Processor operating modes: 64-bit | Tjunction: 100 °C | Intel® Quick Sync Video Technology: Yes | Intel® Turbo Boost Technology: 2.0 | Supported instruction sets: SSE4.2 | Maximum number of DMI lanes: 8 | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Supported instruction sets: AVX 2.0 | Processor manufacturer: Intel | Intel® Secure Key: Yes | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Status: Launched | Performance-core base frequency: 3.2 GHz | On-board graphics card ID: 0xA780 | Market segment: Desktop | Multi-Format Codec Engines: 2 | Performance cores: 8 | Intel® Adaptive Boost Technology: Yes | Intel Turbo Boost Max Technology 3.0: Yes | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Box: Yes | Intel® Volume Management Device (VMD): Yes | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | On-board graphics card outputs supported: HDMI 2.1 | Supported instruction sets: SSE4.1 | Intel® Thermal Velocity Boost Frequency: 6 GHz | L2 cache: 32768 KB | Export Control Classification Number (ECCN): 5A992C | Intel 64: Yes | Intel® Thermal Velocity Boost: Yes | On-board graphics card outputs supported: DisplayPort 1.4a | Mode-based Execute Control (MBE): Yes | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Intel® Boot Guard: Yes | Harmonized System (HS) code: 8542310001 | Intel® OS Guard: Yes | Memory channels: Dual-channel | Use conditions: PC/Client/Tablet | Use conditions: Workstation | Cooler included: No | Processor generation: Intel® Core™ i9 (14th gen) | Scalability: 1S | Launch date: Q4'23 | Maximum turbo power: 253 W | Discrete graphics card: No | Number of displays supported (on-board graphics): 4 | Thermal solution specification: PCG 2020A | Direct Media Interface (DMI) Revision: 4.0 | On-board graphics card dynamic frequency (max): 1650 MHz | On-board graphics card OpenGL version: 4.5 | Processor ARK ID: 236773 | Intel® Standard Manageability (ISM): Yes | On-board graphics card: Yes | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Intel® Thread Director: Yes | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Intel Virtualization Technology (VT-x): Yes | Intel® Control-flow Enforcement Technology (CET): Yes | Performance-core boost frequency: 5.6 GHz | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | ECC: Yes | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Processor base power: 125 W | Intel® Speed Shift Technology: Yes | Efficient cores: 16 | Intel VT-x with Extended Page Tables (EPT): Yes | Memory bandwidth supported by processor (max): 89.6 GB/s | Memory types supported by processor: DDR5-SDRAM | Intel® Turbo Boost Max Technology 3.0 frequency: 5.8 GHz | Processor socket: LGA 1700 | On-board graphics card base

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frequency: 300 MHz | OpenCL version: 3.0 | Idle States: Yes | Execute Disable Bit: Yes

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