

Intel Core i9-14900 processor 36 MB Smart Cache Box



Model: BX8071514900

Manufacturer: INTEL

EAN: 5032037279192

Product Code: 985687

R12,583

Supported instruction sets: SSE4.1 | Supported instruction sets: AVX 2.0 | Processor threads: 32 | Status: Launched | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Stepping: B0 | Supported instruction sets: SSE4.2 | Thermal Monitoring Technologies: Yes | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | On-board graphics card: Yes | Number of execution units: 32 | Intel® Control-flow Enforcement Technology (CET): Yes | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Intel® Boot Guard: Yes | Export Control Classification Number (ECCN): 5A992C | Processor manufacturer: Intel | Processor family: Intel® Core™ i9 | Maximum internal memory supported by processor: 192 GB | ECC: Yes | Discrete graphics card model: Not available | Mode-based Execute Control (MBE): Yes | On-board graphics card model: Intel UHD Graphics 770 | Processor cores: 24 | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Processor cache: 36 MB | Intel 64: Yes | Intel® Thermal Velocity Boost Frequency: 5.8 GHz | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Performance-core base frequency: 2 GHz | Performance cores: 8 | OpenCL version: 3.0 | CPU

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configuration (max): 1 | Memory channels: Dual-channel | On-board graphics card outputs supported: HDMI 2.1 | Intel Turbo Boost Max Technology 3.0: Yes | Intel® Quick Sync Video Technology: Yes | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Enhanced Intel SpeedStep Technology: Yes | Processor package size: 45 x 37.5 mm | Intel® Thermal Velocity Boost: Yes | Number of displays supported (on-board graphics): 4 | Harmonized System (HS) code: 8542310001 | Memory bandwidth (max): 89.6 GB/s | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | On-board graphics card outputs supported: DisplayPort 1.4a | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | Execute Disable Bit: Yes | On-board graphics card dynamic frequency (max): 1650 MHz | Intel® Standard Manageability (ISM): Yes | Processor base power: 65 W | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Performance-core boost frequency: 5.4 GHz | Intel® OS Guard: Yes | Market segment: Desktop | Intel® Secure Key: Yes | Processor socket: LGA 1700 | On-board graphics card OpenGL version: 4.5 | Processor model: i9-14900 | Tjunction: 100 °C | Multi-Format Codec Engines: 2 | On-board graphics card ID: 0xA780 | Box: Yes | Intel® Volume Management Device (VMD): Yes | Intel® Speed Shift Technology: Yes | Use conditions: PC/Client/Tablet | Use conditions: Workstation | Memory bandwidth supported by processor (max): 89.6 GB/s | Cooler included: Yes | Embedded options available: Yes | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Discrete graphics card: No | Intel® Adaptive Boost Technology: Yes | Direct Media Interface (DMI) Revision: 4.0 | Maximum turbo power: 219 W | Maximum internal memory: 192 GB | On-board graphics card DirectX version: 12.0 | Maximum number of DMI lanes: 8 | PCI Express slots version: 5.0 | Memory types supported by processor: DDR5-SDRAM | Processor operating modes: 64-bit | L2 cache: 32768 KB | Intel® Turbo Boost Max Technology 3.0 frequency: 5.6 GHz | Processor cache type: Smart Cache | PCI Express slots version: 4.0 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Memory types supported by processor: DDR4-SDRAM | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | Processor codename: Raptor Lake | Launch date: Q1'24 | Intel VT-x with Extended Page Tables (EPT): Yes | Processor generation: Intel® Core™ i9 (14th gen) | Idle States: Yes | Processor ARK ID: 236793 | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Intel® Thread Director: Yes | Maximum number of PCI Express lanes: 20 | Efficient cores: 16 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Warnings: Protect against overheating. | On-board graphics card base frequency: 300 MHz | Warnings: Avoid contact with liquid. | Warnings: Do not install on a switched-on device.

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