CPU INTEL i9-14900KF Intel Core i9 Desktop Intel CoreT i9 i9-14900KF 24xCores Cache 36 MB Socket LGA 1700 Box BX8071514900KFSRN49

Model: BX8071514900KF S RN49

Manufacturer: INTEL

EAN: 5032037278546

Product Code: 552200

R10,870

Intel Core i9-14900KF

Summary: Intel Core i9-14900KF. Processor family: Intel® Core™ i9, Processor socket: LGA 1700, Package type: Box. Memory channels: Dual-channel, Maximum internal memory supported by processor: 192 GB, Memory types supported by processor: DDR4-SDRAM, DDR5-SDRAM. Market segment: Desktop, Use conditions: PC/Client/Tablet, PCI Express slots version: 4.0, 5.0. Intel® Turbo

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Boost Max Technology 3.0 frequency: 5.8 GHz, Intel® Thermal Velocity Boost Frequency: 6 GHz. Processor package size: 45 x 37.5 mm | Vendor Homepage: https://ark.intel.com/content/www/us/en/ark/products/236787.html | Processor manufacturer: Intel | Processor generation: Intel® Core™ i9 (14th gen) | Processor model: i9-14900KF | Processor family: Intel® Core™ i9 | Processor cores: 24 | Processor socket: LGA 1700 | Processor threads: 32 | Processor operating modes: 64-bit | Performance cores: 8 | Efficient cores: 16 | Processor boost frequency: 6 | Performance-core boost frequency: 5.6 | Performance-core base frequency: 3.2 | Efficient-core boost frequency: 4.4 | Efficient-core base frequency: 2.4 | Processor cache: 36 | Processor cache type: Smart Cache | Package type: Box | Cooler included: No | Maximum turbo power: 253 | Processor base power: 125 | Stepping: B0 | Maximum number of DMI lanes: 8 | Memory bandwidth supported by processor (max): 89.6 | Processor codename: Raptor Lake | Processor ARK ID: 236787 | Maximum internal memory supported by processor: 192 | Memory types supported by processor: DDR4-SDRAM/DDR5-SDRAM | Memory channels: Dual-channel | Non-ECC: Yes | Memory bandwidth (max): 89.6 | Discrete graphics card: No | On-board graphics card: No | On-board graphics card model: Not available | Discrete graphics card model: Not available | Execute Disable Bit: Yes | Idle States: Yes | Thermal Monitoring Technologies: Yes | Market segment: Desktop | Use conditions: PC/Client/Tablet | Maximum number of PCI Express lanes: 20 | PCI Express slots version: 4.0/5.0 | PCI Express configurations: 1x16+1x4/2x8+1x4 | Supported instruction sets: AVX 2.0/SSE4.1/SSE4.2 | CPU configuration (max): 1 | Direct Media Interface (DMI) Revision: 4.0 | Embedded options available: No | Scalability: 1S | Thermal solution specification: PCG 2020A | Export Control Classification Number (ECCN): 5A992C | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Enhanced Intel SpeedStep Technology: Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Intel® Speed Shift Technology: Yes | Intel® Turbo Boost Technology: 2.0 | Intel® Thermal Velocity Boost: Yes | Intel® Adaptive Boost Technology: Yes | Intel® Turbo Boost Max Technology 3.0 frequency: 5.8 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Intel® Thermal Velocity Boost Frequency: 6 | Intel® Control-flow Enforcement Technology (CET): Yes | Intel® Thread Director: Yes | Intel 64: Yes | Intel Turbo Boost Max Technology 3.0: Yes | Intel Virtualization Technology (VT-x): Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Intel® Boot Guard: Yes | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® OS Guard: Yes | Intel® Secure Key: Yes | Intel® Standard Manageability (ISM): Yes | Intel® Volume Management Device (VMD): Yes | Mode-based Execute Control (MBE): Yes | Tjunction: 100 | Launch date: Q4'23 | Status: Launched | Harmonized System (HS) code: 8542310001 | Processor

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package size: 45 x 37.5 | L2 cache: 32768 | Maximum internal memory: 192 | Unit Calculated Weight: 0.104 | Product Net Weight: 0.03 | Unit Calculated Volume: 0.0007052 | Units per Shipping Box: 5 | Unit Width: 4.5 | Shipping Box Height: 12.1 | Unit Depth: 11.1 | Unit Height: 10.3 | Name: CPU CORE I9-14900KF S1700 BOX/3.2G BX8071514900KF S RN49 IN | CPU Family name: Intel Core i9 | Model number: i9-14900KF

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