



**CPU INTEL i9-
14900KF Intel
Core i9 Desktop
Intel CoreT i9 i9-
14900KF
24xCores Cache
36 MB Socket
LGA 1700 Box
BX8071514900KF SRN49**

Model: BX8071514900KF S RN49

Manufacturer: INTEL

EAN: 5032037278546

Product Code: 406062

R10,397

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

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

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package size: 45 x 37.5 | L2 cache: 32768 | Maximum internal memory: 192 | CPU Family name: Intel
Core i9 | Model number: i9-14900KF | Units per Shipping Box: 5 | Unit Calculated Volume: 0.0007052
| Unit Calculated Weight: 0.104

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