



**CPU INTEL i9-
14900K Intel
Core i9 Desktop
Intel CoreT i9 i9-
14900K
24xCores Cache
36 MB Socket
LGA 1700 GPU
Yes Box
BX8071514900KSRN48**

Model: BX8071514900K S RN48

Manufacturer: INTEL

EAN: 5032037278539

Product Code: 552631

R11,365

Vendor Homepage: www.intel.com/content/www/us/en/products/sku/236773/intel-core-i9-processor-14900k-36m-cache-up-to-6-00-ghz/specifications.html | Processor manufacturer: Intel | Processor generation: Intel® Core™ i9 (14th gen) | Processor model: i9-14900K | 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 |

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.

shop.cssi.co.za | sales@cssi.co.za | +27 (11)541-9950

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 | 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: 236773 | Maximum internal memory supported by processor: 192 | Memory types supported by processor: DDR4-SDRAM/DDR5-SDRAM | Memory channels: Dual-channel | ECC: Yes | Memory bandwidth (max): 89.6 | Discrete graphics card: No | On-board graphics card: Yes | On-board graphics card model: Intel UHD Graphics 770 | On-board graphics card outputs supported: DisplayPort 1.4a/Embedded DisplayPort (eDP) 1.4b/HDMI 2.1 | On-board graphics card base frequency: 300 | On-board graphics card dynamic frequency (max): 1650 | Number of displays supported (on-board graphics): 4 | On-board graphics card DirectX version: 12.0 | On-board graphics card OpenGL version: 4.5 | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 | On-board graphics card maximum resolution (HDMI): 4096 x 2160 | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 | On-board graphics card ID: 0xA780 | Discrete graphics card model: Not available | Number of execution units: 32 | Multi-Format Codec Engines: 2 | Execute Disable Bit: Yes | Idle States: Yes | Thermal Monitoring Technologies: Yes | Market segment: Desktop | Use conditions: PC/Client/Tablet/Workstation | 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® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Intel® Quick Sync Video 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

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.

shop.cssi.co.za | sales@cssi.co.za | +27 (11)541-9950

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 | OpenCL version: 3.0 | Launch date: Q4'23 | Status: Launched | Harmonized System (HS) code: 8542310001 | Processor package size: 45 x 37.5 | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | L2 cache: 32768 | Maximum internal memory: 192 | Unit Calculated Weight: 0.371 | Product Net Weight: 0.03 | Unit Calculated Volume: 0.0016088 | Units per Shipping Box: 1 | Unit Width: 6.5 | Shipping Box Height: 15 | Unit Depth: 16.5 | Unit Height: 15 | Name: CPU CORE I9-14900K S1700 BOX/3.2G BX8071514900K S RN48 IN | CPU Family name: Intel Core i9 | Model number: 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.

shop.cssi.co.za | sales@cssi.co.za | +27 (11)541-9950