



CPU INTEL
Desktop Core i7
i7-14700K
Raptor Lake
3400 MHz Cores
20 33MB Socket
LGA1700 125
Watts GPU UHD
770 BOX
BX8071514700KSRN3X

Model: BX8071514700K S RN3X

Manufacturer: INTEL

EAN: 5032037278492

Product Code: 552201

R9,834

i7-14700K | Intel® Core™ i7 | 20xProcessor cores | Processor socket LGA 1700 | Processor threads 28 | Processor operating modes 64-bit | Processor cache 33 MB | Package Box | Stepping B0 | Processor codename Raptor Lake | Memory channels Dual-channel | On-board graphics card Yes | Market segment Desktop | Intel Core i7 | i7-14700K Summary: Intel Core i7-14700K. Processor

family: Intel® Core™ i7, Processor socket: LGA 1700, Package type: Box. Memory channels: Dual-

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channel, Maximum internal memory supported by processor: 192 GB, Memory types supported by processor: DDR4-SDRAM, DDR5-SDRAM. On-board graphics card model: Intel UHD Graphics 770, On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1, On-board graphics card base frequency: 300 MHz. Market segment: Desktop, Use conditions: Workstation, PC/Client/Tablet, PCI Express slots version: 4.0, 5.0. Intel® Turbo Boost Max Technology 3.0 frequency: 5.6 GHz | Vendor Homepage:

<https://ark.intel.com/content/www/us/en/ark/products/236783.html> | Processor manufacturer: Intel | Processor generation: Intel® Core™ i7 (14th gen) | Processor model: i7-14700K | Processor family: Intel® Core™ i7 | Processor cores: 20 | Processor socket: LGA 1700 | Processor threads: 28 | Processor operating modes: 64-bit | Performance cores: 8 | Efficient cores: 12 | Processor boost frequency: 5.6 | Performance-core boost frequency: 5.5 | Performance-core base frequency: 3.4 | Efficient-core boost frequency: 4.3 | Efficient-core base frequency: 2.5 | Processor cache: 33 | 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: 236783 | Maximum internal memory supported by processor: 192 | Memory types supported by processor: DDR4-SDRAM/DDR5-SDRAM | Memory channels: Dual-channel | ECC: Yes | Non-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): 1600 | 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

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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® Turbo Boost Max Technology 3.0 frequency: 5.6 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | 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 | 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: 28672 | Maximum internal memory: 192 | Unit Calculated Weight: 0.112 | Product Net Weight: 0.03 | Unit Calculated Volume: 0.000738 | Units per Shipping Box: 5 | Unit Width: 11.8 | Shipping Box Height: 12.3 | Unit Depth: 4.5 | Unit Height: 10.3 | Name: CPU CORE I7-14700K S1700 BOX/3.4G BX8071514700K S RN3X IN | CPU Family name: Intel Core i7 | Model number: i7-14700K

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