

Intel Core i7-14700KF processor 33 MB Smart Cache Box



Model: BX8071514700KF

Manufacturer: INTEL

EAN: 5032037278508

Product Code: 1249699

R8,665

Intel® Standard Manageability (ISM): Yes | Warnings: Avoid shocks and drops so as not to damage delicate components. | Warnings: Ensure that the processor is adequately cooled to prevent overheating. | Warnings: Do not touch the processor pins to avoid electrostatic damage. | Maximum internal memory: 192 GB | Processor cores: 20 | CPU configuration (max): 1 | Non-ECC: Yes | Processor family: Intel® Core™ i7 | Intel® Turbo Boost Technology: 2.0 | Processor cache: 33 MB | Discrete graphics card model: Not available | Stepping: B0 | Enhanced Intel SpeedStep Technology: Yes | Tjunction: 100 °C | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | On-board graphics card model: Not available | Intel VT-x with Extended Page Tables (EPT): Yes | Maximum number of PCI Express lanes: 20 | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Memory bandwidth (max): 89.6 GB/s | Processor model: i7-14700KF | Processor operating modes: 64-bit | PCI Express slots version: 4.0 | Processor threads: 28 | Embedded options available: No | Intel® Control-flow Enforcement Technology (CET):

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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Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Maximum turbo power: 253 W | Export Control Classification Number (ECCN): 5A992C | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor package size: 45 x 37.5 mm | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Thermal Monitoring Technologies: Yes | Intel® Thread Director: Yes | Performance-core base frequency: 3.4 GHz | Processor codename: Raptor Lake | Processor base power: 125 W | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Efficient cores: 12 | Performance-core boost frequency: 5.5 GHz | Direct Media Interface (DMI) Revision: 4.0 | Performance cores: 8 | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Maximum number of DMI lanes: 8 | Processor generation: Intel® Core™ i7 (14th gen) | Intel® Turbo Boost Max Technology 3.0 frequency: 5.6 GHz | Use conditions: PC/Client/Tablet | Launch date: Q4'23 | Execute Disable Bit: Yes | Intel® OS Guard: Yes | On-board graphics card: No | Scalability: 1S | Mode-based Execute Control (MBE): Yes | Intel 64: Yes | L2 cache: 28672 KB | Intel® Volume Management Device (VMD): Yes | Memory channels: Dual-channel | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Supported instruction sets: SSE4.1 | Status: Launched | Discrete graphics card: No | Intel® Boot Guard: Yes | Memory bandwidth supported by processor (max): 89.6 GB/s | Idle States: Yes | Thermal solution specification: PCG 2020A | Intel® Speed Shift Technology: Yes | Intel Turbo Boost Max Technology 3.0: Yes | Processor manufacturer: Intel | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Memory types supported by processor: DDR5-SDRAM | Intel® Secure Key: Yes | Cooler included: No | Box: Yes | Supported instruction sets: SSE4.2 | Supported instruction sets: AVX 2.0 | Harmonized System (HS) code: 8542310001 | Market segment: Desktop | Processor ARK ID: 236789 | Processor socket: LGA 1700

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