

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



Model: BX8071514700KF

Manufacturer: INTEL

EAN: 5032037278508

Product Code: 937122

R8,252

Intel® Standard Manageability (ISM): Yes | Embedded options available: No | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | CPU configuration (max): 1 | PCI Express slots version: 4.0 | PCI Express slots version: 5.0 | Intel® Turbo Boost Technology: 2.0 | Harmonized System (HS) code: 8542310001 | Processor package size: 45 x 37.5 mm | Processor generation: Intel® Core™ i7 (14th gen) | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Thermal Monitoring Technologies: Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor codename: Raptor Lake | Intel® OS Guard: Yes | Discrete graphics card model: Not available | Mode-based Execute Control (MBE): Yes | Non-ECC: Yes | Processor manufacturer: Intel | Processor socket: LGA 1700 | Supported instruction sets: SSE4.2 | Thermal solution specification: PCG 2020A | Memory channels: Dual-channel | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Status: Launched | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Intel Turbo Boost Max Technology 3.0: Yes | L2 cache:

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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28672 KB | Memory types supported by processor: DDR5-SDRAM | Cooler included: No | Intel 64: Yes | Discrete graphics card: No | On-board graphics card: No | Intel® Boot Guard: Yes | Execute Disable Bit: Yes | Intel® Secure Key: Yes | Maximum internal memory: 192 GB | Processor ARK ID: 236789 | Box: Yes | Idle States: Yes | Market segment: Desktop | Supported instruction sets: AVX 2.0 | Memory bandwidth supported by processor (max): 89.6 GB/s | Supported instruction sets: SSE4.1 | Intel® Volume Management Device (VMD): Yes | Intel® Turbo Boost Max Technology 3.0 frequency: 5.6 GHz | Launch date: Q4'23 | Intel® Control-flow Enforcement Technology (CET): Yes | Performance-core boost frequency: 5.5 GHz | Direct Media Interface (DMI) Revision: 4.0 | Scalability: 1S | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Export Control Classification Number (ECCN): 5A992C | Performance cores: 8 | Use conditions: PC/Client/Tablet | Intel® Thread Director: Yes | Intel® Speed Shift Technology: Yes | Maximum number of DMI lanes: 8 | Performance-core base frequency: 3.4 GHz | Maximum turbo power: 253 W | Stepping: B0 | Processor base power: 125 W | On-board graphics card model: Not available | Processor cache: 33 MB | Processor cores: 20 | Processor model: i7-14700KF | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Processor operating modes: 64-bit | Intel® AES New Instructions (Intel® AES-NI): Yes | Enhanced Intel SpeedStep Technology: Yes | Tjunction: 100 °C | Memory bandwidth (max): 89.6 GB/s | Processor threads: 28 | Efficient cores: 12 | Processor cache type: Smart Cache | Intel VT-x with Extended Page Tables (EPT): Yes | Maximum number of PCI Express lanes: 20 | Processor family: Intel® Core™ i7 | 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.

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