

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



Model: BX8071514700KF

Manufacturer: INTEL

EAN: 5032037278508

Product Code: 620962

R8,392

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. | Intel® Thread Director: Yes | Processor generation: Intel® Core™ i7 (14th gen) | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Performance cores: 8 | Performance-core boost frequency: 5.5 GHz | Direct Media Interface (DMI) Revision: 4.0 | Intel® Control-flow Enforcement Technology (CET): Yes | Maximum turbo power: 253 W | Intel® Turbo Boost Max Technology 3.0 frequency: 5.6 GHz | Export Control Classification Number (ECCN): 5A992C | Maximum number of DMI lanes: 8 | Processor base power: 125 W | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Use conditions: PC/Client/Tablet | Performance-core base frequency: 3.4 GHz | Memory channels: Dual-channel | Supported instruction sets: SSE4.1 | Intel® OS Guard: Yes | Status: Launched | Idle States: Yes | Maximum internal memory supported by processor: 192 GB | Memory

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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types supported by processor: DDR4-SDRAM | Memory types supported by processor: DDR5-SDRAM | L2 cache: 28672 KB | Supported instruction sets: SSE4.2 | Box: Yes | Harmonized System (HS) code: 8542310001 | Mode-based Execute Control (MBE): Yes | Cooler included: No | Efficient cores: 12 | Intel® Boot Guard: Yes | Launch date: Q4'23 | Processor manufacturer: Intel | Discrete graphics card: No | Execute Disable Bit: Yes | Intel® Volume Management Device (VMD): Yes | Thermal solution specification: PCG 2020A | Supported instruction sets: AVX 2.0 | Intel 64: Yes | Intel® Secure Key: Yes | Scalability: 15 | On-board graphics card: No | Memory bandwidth supported by processor (max): 89.6 GB/s | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel Turbo Boost Max Technology 3.0: Yes | Market segment: Desktop | Processor ARK ID: 236789 | Memory bandwidth (max): 89.6 GB/s | Enhanced Intel SpeedStep Technology: Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Intel® Speed Shift Technology: Yes | Maximum internal memory: 192 GB | Processor operating modes: 64-bit | Processor socket: LGA 1700 | Tjunction: 100 °C | Processor model: i7-14700KF | Processor family: Intel® Core™ i7 | Processor cores: 20 | On-board graphics card model: Not available | CPU configuration (max): 1 | Processor cache: 33 MB | Thermal Monitoring Technologies: Yes | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Processor package size: 45 x 37.5 mm | PCI Express slots version: 4.0 | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Embedded options available: No | Intel VT-x with Extended Page Tables (EPT): Yes | Stepping: B0 | Intel® AES New Instructions (Intel® AES-NI): Yes | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Processor codename: Raptor Lake | Discrete graphics card model: Not available | Processor threads: 28 | Non-ECC: Yes | Maximum number of PCI Express lanes: 20 | Intel® Turbo Boost Technology: 2.0

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