

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



Model: BX8071514700F

Manufacturer: INTEL

EAN: 5032037279246

Product Code: 609616

R7,819

Launch date: Q1'24 | Intel® Boot Guard: Yes | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® Speed Shift Technology: Yes | Cooler included: Yes | Intel Turbo Boost Max Technology 3.0: Yes | L2 cache: 28672 KB | Mode-based Execute Control (MBE): Yes | Intel® Volume Management Device (VMD): Yes | Performance cores: 8 | Performance-core boost frequency: 5.3 GHz | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Intel® Thread Director: Yes | Processor generation: Intel® Core™ i7 (14th gen) | Maximum turbo power: 219 W | Performance-core base frequency: 2.1 GHz | Intel® Control-flow Enforcement Technology (CET): Yes | Use conditions: PC/Client/Tablet | Maximum number of DMI lanes: 8 | Intel® Standard Manageability (ISM): Yes | Export Control Classification Number (ECCN): 5A992C | Warnings: Avoid shocks and drops so as not to damage delicate components. | Intel® Turbo Boost Max Technology 3.0 frequency: 5.4 GHz | Warnings: Ensure that the processor is adequately cooled to prevent overheating. | Direct Media Interface (DMI) Revision: 4.0 | Warnings: Do not touch the processor pins

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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to avoid electrostatic damage. | Processor base power: 65 W | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Efficient cores: 12 | Idle States: Yes | Processor cores: 20 | Processor model: i7-14700F | Intel® Secure Key: Yes | Box: Yes | Discrete graphics card: No | Execute Disable Bit: Yes | CPU configuration (max): 1 | Memory types supported by processor: DDR5-SDRAM | Memory channels: Dual-channel | Supported instruction sets: SSE4.1 | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Status: Launched | Embedded options available: No | Intel 64: Yes | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | On-board graphics card model: Not available | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Market segment: Desktop | Maximum internal memory: 192 GB | Processor family: Intel® Core™ i7 | Harmonized System (HS) code: 8542310001 | Processor ARK ID: 236854 | Processor manufacturer: Intel | Processor package size: 45 x 37.5 mm | Enhanced Intel SpeedStep Technology: Yes | Thermal Monitoring Technologies: Yes | Intel® OS Guard: Yes | Discrete graphics card model: Not available | On-board graphics card: No | Stepping: B0 | Supported instruction sets: SSE4.2 | Intel® AES New Instructions (Intel® AES-NI): Yes | Processor cache: 33 MB | Processor codename: Raptor Lake | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Supported instruction sets: AVX 2.0 | Memory bandwidth (max): 89.6 GB/s | Processor threads: 28 | Processor operating modes: 64-bit | Tjunction: 100 °C | Processor socket: LGA 1700 | Scalability: 1S | Intel® Turbo Boost Technology: 2.0 | Processor cache type: Smart Cache | Intel VT-x with Extended Page Tables (EPT): Yes | Memory bandwidth supported by processor (max): 89.6 GB/s | Maximum number of PCI Express lanes: 20 | PCI Express slots version: 4.0 | PCI Express slots version: 5.0

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