

Intel Core i7-14700 processor 33 MB Smart Cache Box



Model: BX8071514700

Manufacturer: INTEL

EAN: 5032037279239

Product Code: 945007

R8,315

Enhanced Intel SpeedStep Technology: Yes | Processor manufacturer: Intel | Number of execution units: 32 | On-board graphics card: Yes | Supported instruction sets: SSE4.1 | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Intel® Quick Sync Video Technology: Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor package size: 45 x 37.5 mm | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Intel® Secure Key: Yes | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Processor operating modes: 64-bit | Processor family: Intel® Core™ i7 | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Tjunction: 100 °C | Intel® Volume Management Device (VMD): Yes | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | PCI Express slots version: 4.0 | Cooler included: Yes | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Harmonized System (HS) code: 8542310001 | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | On-board graphics card outputs

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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supported: DisplayPort 1.4a | On-board graphics card DirectX version: 12.0 | Idle States: Yes | Processor threads: 28 | Thermal Monitoring Technologies: Yes | Processor socket: LGA 1700 | Number of displays supported (on-board graphics): 4 | Intel® OS Guard: Yes | Maximum number of PCI Express lanes: 20 | Intel® Boot Guard: Yes | Intel 64: Yes | Memory bandwidth (max): 89.6 GB/s | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Supported instruction sets: AVX 2.0 | Status: Launched | Discrete graphics card: No | On-board graphics card model: Intel UHD Graphics 770 | Market segment: Desktop | Intel Turbo Boost Max Technology 3.0: Yes | Discrete graphics card model: Not available | Mode-based Execute Control (MBE): Yes | Memory types supported by processor: DDR5-SDRAM | Stepping: B0 | Supported instruction sets: SSE4.2 | Processor ARK ID: 236781 | Processor cache: 33 MB | Execute Disable Bit: Yes | Intel® Speed Shift Technology: Yes | ECC: Yes | On-board graphics card dynamic frequency (max): 1600 MHz | Launch date: Q1'24 | Processor model: i7-14700 | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | OpenCL version: 3.0 | On-board graphics card OpenGL version: 4.5 | Memory channels: Dual-channel | On-board graphics card outputs supported: HDMI 2.1 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | On-board graphics card ID: 0xA780 | Box: Yes | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Memory bandwidth supported by processor (max): 89.6 GB/s | Processor cores: 20 | On-board graphics card base frequency: 300 MHz | L2 cache: 28672 KB | CPU configuration (max): 1 | Processor codename: Raptor Lake | Maximum internal memory: 192 GB | Embedded options available: Yes | Intel VT-x with Extended Page Tables (EPT): Yes | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | Intel® Thread Director: Yes | Export Control Classification Number (ECCN): 5A992C | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Direct Media Interface (DMI) Revision: 4.0 | Processor generation: Intel® Core™ i7 (14th gen) | Intel® Turbo Boost Max Technology 3.0 frequency: 5.4 GHz | Performance-core boost frequency: 5.3 GHz | Maximum number of DMI lanes: 8 | Intel® Standard Manageability (ISM): Yes | Processor base power: 65 W | Performance cores: 8 | Use conditions: PC/Client/Tablet | Use conditions: Workstation | Warnings: Do not touch the processor pins to avoid electrostatic damage. | Maximum turbo power: 219 W | Multi-Format Codec Engines: 2 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Intel® Control-flow Enforcement Technology (CET): Yes | Efficient cores: 12 | Performance-core base frequency: 2.1 GHz

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