

Intel Core i7-14700 processor 33 MB Smart Cache Box

Model: BX8071514700

Manufacturer: INTEL

EAN: 5032037279239

Product Code: 1257303

R8,125

On-board graphics card: Yes | Enhanced Intel SpeedStep Technology: Yes | Embedded options available: Yes | Memory bandwidth supported by processor (max): 89.6 GB/s | Intel® Speed Shift Technology: Yes | Intel® Secure Key: Yes | Intel Turbo Boost Max Technology 3.0: Yes | Memory bandwidth (max): 89.6 GB/s | Processor cores: 20 | On-board graphics card DirectX version: 12.0 | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Thermal Monitoring Technologies: Yes | On-board graphics card outputs supported: DisplayPort 1.4a | Execute Disable Bit: Yes | Performance-core base frequency: 2.1 GHz | On-board graphics card base frequency: 300 MHz | Export Control Classification Number (ECCN): 5A992C | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Processor package size: 45 x 37.5 mm | Maximum number of PCI Express lanes: 20 | Efficient cores: 12 | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Intel® Control-flow Enforcement Technology (CET): Yes | PCI Express slots version: 4.0 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Intel® Quick Sync Video Technology: Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Discrete graphics card: No | On-board graphics card OpenGL version: 4.5 | On-board graphics card ID: 0xA780

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.

| Intel® Boot Guard: Yes | Memory channels: Dual-channel | On-board graphics card outputs supported: HDMI 2.1 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Processor codename: Raptor Lake | Box: Yes | Market segment: Desktop | Processor ARK ID: 236781 | Maximum internal memory: 192 GB | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Processor manufacturer: Intel | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Processor operating modes: 64-bit | Intel 64: Yes | Intel VT-x with Extended Page Tables (EPT): Yes | CPU configuration (max): 1 | Multi-Format Codec Engines: 2 | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | Processor generation: Intel® Core™ i7 (14th gen) | Number of displays supported (on-board graphics): 4 | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | OpenCL version: 3.0 | Memory types supported by processor: DDR5-SDRAM | Intel® Turbo Boost Max Technology 3.0 frequency: 5.4 GHz | Processor family: Intel® Core™ i7 | ECC: Yes | Supported instruction sets: SSE4.1 | L2 cache: 28672 KB | Status: Launched | Idle States: Yes | Processor base power: 65 W | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Processor cache: 33 MB | Intel® Volume Management Device (VMD): Yes | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Processor model: i7-14700 | Intel® Thread Director: Yes | Supported instruction sets: AVX 2.0 | Discrete graphics card model: Not available | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® OS Guard: Yes | Number of execution units: 32 | Cooler included: Yes | Mode-based Execute Control (MBE): Yes | Processor socket: LGA 1700 | Performance-core boost frequency: 5.3 GHz | On-board graphics card dynamic frequency (max): 1600 MHz | Launch date: Q1'24 | On-board graphics card model: Intel UHD Graphics 770 | Intel® Standard Manageability (ISM): Yes | Tjunction: 100 °C | Maximum number of DMI lanes: 8 | Stepping: B0 | Supported instruction sets: SSE4.2 | Processor threads: 28 | Performance cores: 8 | Direct Media Interface (DMI) Revision: 4.0 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: 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 | Maximum turbo power: 219 W | Use conditions: PC/Client/Tablet | Use conditions: Workstation | Warnings: Do not touch the processor pins to avoid electrostatic damage.

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