

Intel Core i7- 14700 processor 33 MB Smart Cache Box



Model: BX8071514700

Manufacturer: INTEL

EAN: 5032037279239

Product Code: 1257303

R8,708

Execute Disable Bit: Yes | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Intel® Control-flow Enforcement Technology (CET): Yes | Embedded options available: Yes | Intel® OS Guard: Yes | Intel® Quick Sync Video Technology: Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Idle States: Yes | Status: Launched | Performance-core boost frequency: 5.3 GHz | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Memory types supported by processor: DDR5-SDRAM | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Processor threads: 28 | On-board graphics card DirectX version: 12.0 | Intel® Standard Manageability (ISM): Yes | Memory bandwidth supported by processor (max): 89.6 GB/s | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | CPU configuration (max): 1 | Intel® Thread Director: Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Intel® Secure Key: Yes | Processor family: Intel® Core™ i7 | Direct Media Interface (DMI) Revision: 4.0 | Number of displays supported (on-board graphics): 4 | Enhanced Intel SpeedStep Technology: Yes | L2 cache:

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28672 KB | On-board graphics card: Yes | Supported instruction sets: SSE4.1 | Memory bandwidth (max): 89.6 GB/s | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Maximum number of PCI Express lanes: 20 | Efficient cores: 12 | Memory channels: Dual-channel | On-board graphics card outputs supported: HDMI 2.1 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Intel® Speed Shift Technology: Yes | Processor base power: 65 W | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | Processor codename: Raptor Lake | PCI Express slots version: 4.0 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Processor cache: 33 MB | Intel® Turbo Boost Max Technology 3.0 frequency: 5.4 GHz | Processor manufacturer: Intel | Cooler included: Yes | ECC: Yes | Maximum number of DMI lanes: 8 | Export Control Classification Number (ECCN): 5A992C | Intel Turbo Boost Max Technology 3.0: Yes | Processor operating modes: 64-bit | Intel® Boot Guard: Yes | Processor cores: 20 | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Processor package size: 45 x 37.5 mm | On-board graphics card outputs supported: DisplayPort 1.4a | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Processor generation: Intel® Core™ i7 (14th gen) | Thermal Monitoring Technologies: Yes | Intel 64: Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | OpenCL version: 3.0 | Supported instruction sets: AVX 2.0 | Processor model: i7-14700 | Performance cores: 8 | Discrete graphics card model: Not available | Mode-based Execute Control (MBE): Yes | Number of execution units: 32 | Discrete graphics card: No | On-board graphics card ID: 0xA780 | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | Tjunction: 100 °C | Intel® Volume Management Device (VMD): Yes | Use conditions: PC/Client/Tablet | Use conditions: Workstation | Box: Yes | Stepping: B0 | Supported instruction sets: SSE4.2 | Performance-core base frequency: 2.1 GHz | Harmonized System (HS) code: 8542310001 | On-board graphics card dynamic frequency (max): 1600 MHz | Launch date: Q1'24 | Processor ARK ID: 236781 | Maximum internal memory: 192 GB | Market segment: Desktop | On-board graphics card OpenGL version: 4.5 | Maximum turbo power: 219 W | On-board graphics card model: Intel UHD Graphics 770 | Warnings: Do not touch the processor pins to avoid electrostatic damage. | Multi-Format Codec Engines: 2 | Processor socket: LGA 1700 | On-board graphics card base frequency: 300 MHz

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