

Intel Core i5-14400 processor 20 MB Smart Cache Box



Model: BX8071514400

Manufacturer: INTEL

EAN: 5032037279130

Product Code: 609608

R4,670

PCI Express slots version: 4.0 | Discrete graphics card model: Not available | Maximum internal memory: 192 GB | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Processor package size: 45 x 37.5 mm | PCI Express slots version: 5.0 | Number of execution units: 24 | On-board graphics card DirectX version: 12.0 | Thermal Monitoring Technologies: Yes | Export Control Classification Number (ECCN): 5A992C | On-board graphics card model: Intel UHD Graphics 730 | Processor cores: 10 | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Processor cache: 20 MB | Performance-core boost frequency: 4.7 GHz | Direct Media Interface (DMI) Revision: 4.0 | Memory types supported by processor: DDR5-SDRAM | Use conditions: PC/Client/Tablet | Performance cores: 6 | Processor codename: Raptor Lake | Processor model: i5-14400 | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Performance-core base frequency: 2.5 GHz | OpenCL version: 3.0 | Intel® Thread Director: Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Harmonized System (HS) code: 8542310001 | CPU configuration (max): 1 | Intel® OS Guard: Yes | Supported instruction sets: SSE4.1 | Supported instruction sets: SSE4.2 |

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Maximum number of DMI lanes: 8 | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Status: Launched | Processor threads: 16 | Intel® Quick Sync Video Technology: Yes | Embedded options available: Yes | Discrete graphics card: No | Memory bandwidth (max): 76.8 GB/s | Enhanced Intel SpeedStep Technology: Yes | Intel® Standard Manageability (ISM): Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Processor family: Intel® Core™ i5 | Intel Virtualization Technology (VT-x): Yes | Multi-Format Codec Engines: 1 | Supported instruction sets: AVX 2.0 | Intel® Control-flow Enforcement Technology (CET): Yes | Intel® Secure Key: Yes | Execute Disable Bit: Yes | Efficient-core boost frequency: 3.5 GHz | Processor base power: 65 W | On-board graphics card: Yes | Processor generation: Intel® Core™ i5 (14th gen) | Memory channels: Dual-channel | On-board graphics card outputs supported: HDMI 2.1 | Market segment: Desktop | Maximum turbo power: 148 W | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Processor ARK ID: 236788 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Processor boost frequency: 4.7 GHz | On-board graphics card ID: 0x4682/0xA782 | Processor manufacturer: Intel | Efficient cores: 4 | Intel® Volume Management Device (VMD): Yes | On-board graphics card outputs supported: DisplayPort 1.4a | On-board graphics card OpenGL version: 4.5 | Processor operating modes: 64-bit | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | Intel 64: Yes | Tjunction: 100 °C | Maximum number of PCI Express lanes: 20 | Efficient-core base frequency: 1.8 GHz | Intel VT-x with Extended Page Tables (EPT): Yes | Memory bandwidth supported by processor (max): 76.8 GB/s | Processor cache type: Smart Cache | Processor socket: LGA 1700 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Intel® Speed Shift Technology: Yes | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Cooler included: Yes | Intel® Boot Guard: Yes | L2 cache: 9728 KB | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Mode-based Execute Control (MBE): Yes | Launch date: Q1'24 | Idle States: Yes | On-board graphics card dynamic frequency (max): 1550 MHz | Number of displays supported (on-board graphics): 4

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