

Intel Core i5-14600K processor 24 MB Smart Cache Box



Model: BX8071514600K

Manufacturer: INTEL

EAN: 5032037278447

Product Code: 1249687

R6,279

Warnings: Be careful when handling the processor to avoid damaging the delicate pins. | Warnings: Ensure that the CPU is properly mounted in the CPU socket to avoid damage. | Warnings: Do not dispose of the processors in the normal rubbish bin - they require special disposal due to their potential environmental impact. | Direct Media Interface (DMI) Revision: 4.0 | Performance-core boost frequency: 5.3 GHz | Maximum turbo power: 181 W | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Processor base power: 125 W | Intel® Standard Manageability (ISM): Yes | Multi-Format Codec Engines: 2 | Processor generation: Intel® Core™ i5 (14th gen) | Performance-core base frequency: 3.5 GHz | Use conditions: PC/Client/Tablet | Use conditions: Workstation | Maximum number of DMI lanes: 8 | CPU configuration (max): 1 | Processor package size: 45 x 37.5 mm | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Thermal Monitoring Technologies: Yes | Intel® Thread Director: Yes | Discrete graphics card model: Not available | Efficient cores: 8 | Non-ECC: Yes | Maximum internal memory: 192 GB | Export Control

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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Classification Number (ECCN): 5A992C | PCI Express slots version: 4.0 | PCI Express slots version: 5.0 | On-board graphics card DirectX version: 12.0 | Number of execution units: 32 | Intel® Volume Management Device (VMD): Yes | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Intel® Control-flow Enforcement Technology (CET): Yes | Tjunction: 100 °C | Performance cores: 6 | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor codename: Raptor Lake | Processor cores: 14 | Processor threads: 20 | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel® Quick Sync Video Technology: Yes | Maximum number of PCI Express lanes: 20 | Enhanced Intel SpeedStep Technology: Yes | Processor family: Intel® Core™ i5 | Processor model: i5-14600K | Embedded options available: No | Intel® Turbo Boost Technology: 2.0 | Box: Yes | Stepping: B0 | Intel® Boot Guard: Yes | Memory bandwidth supported by processor (max): 89.6 GB/s | On-board graphics card model: Intel UHD Graphics 770 | OpenCL version: 3.0 | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Thermal solution specification: PCG 2020A | Status: Launched | Supported instruction sets: SSE4.1 | Discrete graphics card: No | Scalability: 1S | Supported instruction sets: SSE4.2 | Cooler included: No | On-board graphics card OpenGL version: 4.5 | On-board graphics card dynamic frequency (max): 1550 MHz | Number of displays supported (on-board graphics): 4 | Supported instruction sets: AVX 2.0 | Intel 64: Yes | On-board graphics card: Yes | Launch date: Q4'23 | Intel Virtualization Technology (VT-x): Yes | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | On-board graphics card outputs supported: DisplayPort 1.4a | Idle States: Yes | Memory bandwidth (max): 89.6 GB/s | On-board graphics card outputs supported: HDMI 2.1 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® Speed Shift Technology: Yes | Memory channels: Dual-channel | Processor manufacturer: Intel | Processor cache type: Smart Cache | Mode-based Execute Control (MBE): Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Processor operating modes: 64-bit | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® OS Guard: Yes | On-board graphics card ID: 0xA780 | Intel® Secure Key: Yes | Harmonized System (HS) code: 8542310001 | Execute Disable Bit: Yes | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Processor cache: 24 MB | Memory types supported by processor: DDR5-SDRAM | ECC: Yes | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | L2 cache: 20480 KB | Market segment: Desktop | Processor ARK ID: 236799 | On-board graphics card base frequency: 300 MHz |

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Processor socket: LGA 1700

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