



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



Model: BX8071514600K

Manufacturer: INTEL

EAN: 5032037278447

Product Code: 609601

R6,434

Warnings: Ensure that the CPU is properly mounted in the CPU socket to avoid damage. | Warnings: Be careful when handling the processor to avoid damaging the delicate pins. | 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 | Maximum turbo power: 181 W | Maximum number of DMI lanes: 8 | Processor base power: 125 W | Multi-Format Codec Engines: 2 | Performance-core base frequency: 3.5 GHz | Processor generation: Intel® Core™ i5 (14th gen) | Performance-core boost frequency: 5.3 GHz | Intel® Standard Manageability (ISM): Yes | Use conditions: PC/Client/Tablet | Use conditions: Workstation | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Execute Disable Bit: Yes | Cooler included: No | Mode-based Execute Control (MBE): Yes | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Processor cache: 24 MB | Performance cores: 6 | Supported instruction sets: SSE4.2 | Stepping: B0 | Memory types supported by processor: DDR5-SDRAM | On-board

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graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | On-board graphics card: Yes | On-board graphics card dynamic frequency (max): 1550 MHz | Number of displays supported (on-board graphics): 4 | Number of execution units: 32 | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Processor operating modes: 64-bit | Intel® Control-flow Enforcement Technology (CET): Yes | Intel Virtualization Technology (VT-x): Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Discrete graphics card: No | Thermal solution specification: PCG 2020A | Non-ECC: Yes | Memory bandwidth (max): 89.6 GB/s | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Intel® Volume Management Device (VMD): Yes | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | L2 cache: 20480 KB | Intel 64: Yes | Processor family: Intel® Core™ i5 | PCI Express configurations: 1x16+1x4 | On-board graphics card DirectX version: 12.0 | On-board graphics card ID: 0xA780 | Launch date: Q4'23 | Idle States: Yes | PCI Express configurations: 2x8+1x4 | Processor threads: 20 | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Thermal Monitoring Technologies: Yes | Intel® OS Guard: Yes | Harmonized System (HS) code: 8542310001 | Scalability: 1S | Intel® Turbo Boost Technology: 2.0 | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Memory bandwidth supported by processor (max): 89.6 GB/s | Discrete graphics card model: Not available | ECC: Yes | Enhanced Intel SpeedStep Technology: Yes | Status: Launched | Processor manufacturer: Intel | Intel® Quick Sync Video Technology: Yes | OpenCL version: 3.0 | Intel® Thread Director: Yes | Processor cores: 14 | CPU configuration (max): 1 | Supported instruction sets: AVX 2.0 | Intel® Boot Guard: Yes | Processor package size: 45 x 37.5 mm | Processor codename: Raptor Lake | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Export Control Classification Number (ECCN): 5A992C | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Box: Yes | Processor model: i5-14600K | On-board graphics card outputs supported: HDMI 2.1 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Memory channels: Dual-channel | On-board graphics card outputs supported: DisplayPort 1.4a | Supported instruction sets: SSE4.1 | Tjunction: 100 °C | Embedded options available: No | Intel® Secure Key: Yes | Maximum internal memory: 192 GB | On-board graphics card OpenGL version: 4.5 | On-board graphics card model: Intel UHD Graphics 770 | Intel® Speed Shift Technology: Yes | Intel VT-x with Extended Page Tables (EPT): Yes | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | PCI Express slots version: 4.0 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Efficient cores: 8 | Market segment: Desktop | Processor ARK ID: 236799 | Processor socket: LGA 1700 | Maximum number of PCI Express lanes: 20 | On-board graphics card base frequency: 300

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