

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



Model: BX8071514600K

Manufacturer: INTEL

EAN: 5032037278447

Product Code: 985684

R6,432

Use conditions: PC/Client/Tablet | Use conditions: Workstation | Maximum number of DMI lanes: 8 | Performance-core boost frequency: 5.3 GHz | Processor base power: 125 W | Processor generation: Intel® Core™ i5 (14th gen) | Performance-core base frequency: 3.5 GHz | Intel® Standard Manageability (ISM): Yes | Direct Media Interface (DMI) Revision: 4.0 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Maximum turbo power: 181 W | Multi-Format Codec Engines: 2 | 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. | Processor socket: LGA 1700 | Intel® Boot Guard: Yes | On-board graphics card model: Intel UHD Graphics 770 | Processor cores: 14 | Box: Yes | Processor model: i5-14600K | Processor family: Intel® Core™ i5 | On-board graphics card base frequency: 300 MHz | Discrete graphics card: No | Thermal solution specification: PCG 2020A | On-board graphics card

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.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

dynamic frequency (max): 1550 MHz | Number of displays supported (on-board graphics): 4 | Launch date: Q4'23 | Processor cache: 24 MB | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Mode-based Execute Control (MBE): Yes | Discrete graphics card model: Not available | Memory types supported by processor: DDR5-SDRAM | Thermal Monitoring Technologies: Yes | Processor operating modes: 64-bit | Idle States: Yes | On-board graphics card: Yes | Harmonized System (HS) code: 8542310001 | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Memory channels: Dual-channel | On-board graphics card outputs supported: HDMI 2.1 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel 64: Yes | Number of execution units: 32 | Processor codename: Raptor Lake | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Intel Virtualization Technology (VT-x): Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | ECC: Yes | Processor manufacturer: Intel | Intel VT-x with Extended Page Tables (EPT): Yes | Memory bandwidth (max): 89.6 GB/s | Enhanced Intel SpeedStep Technology: Yes | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Cooler included: No | Performance cores: 6 | On-board graphics card outputs supported: DisplayPort 1.4a | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | L2 cache: 20480 KB | Intel® OS Guard: Yes | Tjunction: 100 °C | Intel® AES New Instructions (Intel® AES-NI): Yes | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | OpenCL version: 3.0 | Processor package size: 45 x 37.5 mm | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Supported instruction sets: SSE4.1 | Non-ECC: Yes | Scalability: 1S | Intel® Turbo Boost Technology: 2.0 | Supported instruction sets: AVX 2.0 | Intel® Volume Management Device (VMD): Yes | Status: Launched | Export Control Classification Number (ECCN): 5A992C | CPU configuration (max): 1 | Supported instruction sets: SSE4.2 | Stepping: B0 | Processor threads: 20 | Intel® Quick Sync Video Technology: Yes | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Processor ARK ID: 236799 | Market segment: Desktop | Maximum internal memory: 192 GB | On-board graphics card OpenGL version: 4.5 | Processor cache type: Smart Cache | Intel® Control-flow Enforcement Technology (CET): Yes | Intel® Secure Key: Yes | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | On-board graphics card DirectX version: 12.0 | On-board graphics card ID: 0xA780 | Intel® Thread Director: Yes | Execute Disable Bit: Yes | Embedded options available: No | PCI Express slots version: 5.0 | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Intel® Speed Shift Technology: Yes | Efficient cores: 8 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | PCI Express slots

version: 4.0 | Maximum number of PCI Express lanes: 20 | Memory bandwidth supported by

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.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

processor (max): 89.6 GB/s

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.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950