

# Intel Core i5-14500 processor 24 MB Smart Cache Box



Model: BX8071514500

Manufacturer: INTEL

EAN: 5032037279178

Product Code: 1292282

## R6,198

Supported instruction sets: SSE4.2 | Intel 64: Yes | Processor threads: 20 | OpenCL version: 3.0 | Supported instruction sets: SSE4.1 | Market segment: Desktop | Supported instruction sets: AVX 2.0 | Maximum internal memory: 192 GB | Intel® Quick Sync Video Technology: Yes | CPU configuration (max): 1 | Intel® Turbo Boost Technology: 2.0 | Processor manufacturer: Intel | On-board graphics card OpenGL version: 4.5 | On-board graphics card base frequency: 300 MHz | Intel® Total Memory Encryption - Multi Key: Yes | Processor socket: LGA 1700 | On-board graphics card outputs supported: DisplayPort 1.4a | Box: Yes | Processor package size: 45 x 37.5 mm | Execute Disable Bit: Yes | Intel® Hardware Shield Eligibility: Yes | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Intel Turbo Boost Max Technology 3.0: No | Intel® Control-flow Enforcement Technology (CET): Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Memory bandwidth supported by processor (max): 76.8 GB/s | Embedded options available: Yes | Intel® OS Guard: Yes | Efficient cores: 8 | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Idle States: Yes | Memory types supported by processor: DDR5-SDRAM | Status: Launched | Intel® vPro™ Platform Eligibility: Yes | Memory bandwidth (max): 76.8 GB/s | PCI Express configurations: 1x16+1x4 | PCI

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Express configurations: 2x8+1x4 | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Intel® Thread Director: Yes | Intel® Standard Manageability (ISM): Yes | On-board graphics card DirectX version: 12.0 | Bus type: DMI4 | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Intel® Secure Key: Yes | Direct Media Interface (DMI) Revision: 4.0 | On-board graphics card dynamic frequency (max): 1550 MHz | Number of displays supported (on-board graphics): 4 | Enhanced Intel SpeedStep Technology: Yes | Processor family: Intel® Core™ i5 | Performance-core base frequency: 2.6 GHz | On-board graphics card: Yes | Processor cache: 24 MB | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Memory channels: Dual-channel | On-board graphics card outputs supported: HDMI 2.1 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel vPro® Enterprise Platform Eligibility: Yes | Intel® Speed Shift Technology: Yes | Maximum number of PCI Express lanes: 20 | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Intel® Virtualization Technology with Redirect Protection (VT-rp): Yes | Intel Stable Image Platform Program (SIPP): Yes | Processor base power: 65 W | Processor codename: Raptor Lake | Scalability: 1S | PCI Express slots version: 4.0 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Intel® Threat Detection Technology (TDT): Yes | Intel vPro® Essentials Platform Eligibility: Yes | Performance-core boost frequency: 5 GHz | Intel® Active Management Technology (Intel® AMT): Yes | Intel® Boot Guard: Yes | Maximum number of DMI lanes: 8 | Processor model: i5-14500 | Processor cores: 14 | Processor generation: Intel® Core™ i5 14th generation | Processor operating modes: 64-bit | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Performance cores: 6 | Thermal Monitoring Technologies: 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 | Use conditions: PC/Client/Tablet | Use conditions: Workstation | Intel Trusted Execution Technology: Yes | 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 refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | Tjunction: 100 °C | Intel® Volume Management Device (VMD): Yes | Intel® Remote Platform Erase (RPE): Yes | On-board graphics card model: Intel UHD Graphics 770 | Intel® One-Click Recovery: Yes | Launch date: Q1'24 | Maximum turbo power: 154 W | Warnings: Do not dispose of the processors in the normal rubbish bin - they require special disposal due to their potential environmental impact.

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