



CPU INTEL
Desktop Core i7
i7-14700 Raptor
Lake 2100 MHz
Cores 20 33MB
Socket LGA1700
65 Watts GPU
UHD 770 BOX
BX8071514700SRN40

Model: BX8071514700 S RN40

Manufacturer: INTEL

EAN: 5032037279253

Product Code: 552634

R8,876

i7-14700 | Intel® Core™ i7 | 20xProcessor cores | Processor socket LGA 1700 | Processor threads 28
| Processor operating modes 64-bit | Processor cache 33 MB | Package Box | Cooler included Yes |
Stepping B0 | Processor codename Raptor Lake | Memory channels Dual-channel | On-board graphics
card Yes | Market segment Desktop | Intel Core i7 | i7-14700 Summary: Intel Core i7-14700.
Processor family: Intel® Core™ i7, Processor socket: LGA 1700, Package type: Box. Memory
channels: Dual-channel, Maximum internal memory supported by processor: 192 GB, Memory types

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supported by processor: DDR4-SDRAM, DDR5-SDRAM. On-board graphics card model: Intel UHD Graphics 770, On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1, On-board graphics card base frequency: 300 MHz. Market segment: Desktop, Use conditions: Workstation, PC/Client/Tablet, PCI Express slots version: 4.0, 5.0. Intel® Turbo Boost Max Technology 3.0 frequency: 5.4 GHz | Vendor Homepage: <https://ark.intel.com/content/www/us/en/ark/products/236781/intel-core-i7-processor-14700-33m-cache-up-to-5-40-ghz.html> | Cooler included: Yes | Efficient cores: 12 | Efficient-core base frequency: 1.5 | Efficient-core boost frequency: 4.2 | Maximum number of DMI lanes: 8 | Maximum turbo power: 219 | Memory bandwidth supported by processor (max): 89.6 | Package type: Box | Performance cores: 8 | Performance-core base frequency: 2.1 | Performance-core boost frequency: 5.3 | Processor ARK ID: 236781 | Processor base power: 65 | Processor boost frequency: 5.4 | Processor cache: 33 | Processor cache type: Smart Cache | Processor codename: Raptor Lake | Processor cores: 20 | Processor family: Intel® Core™ i7 | Processor generation: Intel® Core™ i7 (14th gen) | Processor manufacturer: Intel | Processor model: i7-14700 | Processor operating modes: 64-bit | Processor socket: LGA 1700 | Processor threads: 28 | Stepping: B0 | ECC: Yes | Maximum internal memory supported by processor: 192 | Memory bandwidth (max): 89.6 | Memory channels: Dual-channel | Memory types supported by processor: DDR4-SDRAM/DDR5-SDRAM | Discrete graphics card: No | Discrete graphics card model: Not available | Multi-Format Codec Engines: 2 | Number of displays supported (on-board graphics): 4 | Number of execution units: 32 | On-board graphics card: Yes | On-board graphics card base frequency: 300 | On-board graphics card DirectX version: 12.0 | On-board graphics card dynamic frequency (max): 1600 | On-board graphics card ID: 0xA780 | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 | On-board graphics card maximum resolution (HDMI): 4096 x 2160 | On-board graphics card model: Intel UHD Graphics 770 | On-board graphics card OpenGL version: 4.5 | On-board graphics card outputs supported: DisplayPort 1.4a/Embedded DisplayPort (eDP) 1.4b/HDMI 2.1 | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | CPU configuration (max): 1 | Direct Media Interface (DMI) Revision: 4.0 | Embedded options available: Yes | Execute Disable Bit: Yes | Export Control Classification Number (ECCN): 5A992C | Idle States: Yes | Market segment: Desktop | Maximum number of PCI Express lanes: 20 | PCI Express configurations: 1x16+1x4/2x8+1x4 | PCI Express slots version: 4.0/5.0 | Scalability: 1S | Supported instruction sets: AVX 2.0/SSE4.1/SSE4.2 | Thermal Monitoring Technologies: Yes | Use conditions: PC/Client/Tablet/Workstation | Enhanced Intel

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SpeedStep Technology: Yes | Intel 64: Yes | Intel Turbo Boost Max Technology 3.0: Yes | Intel Virtualization Technology (VT-x): Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® Boot Guard: Yes | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® Control-flow Enforcement Technology (CET): Yes | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Intel® OS Guard: Yes | Intel® Quick Sync Video Technology: Yes | Intel® Secure Key: Yes | Intel® Speed Shift Technology: Yes | Intel® Standard Manageability (ISM): Yes | Intel® Thread Director: Yes | Intel® Turbo Boost Max Technology 3.0 frequency: 5.4 | Intel® Turbo Boost Technology: 2.0 | Intel® Volume Management Device (VMD): Yes | Mode-based Execute Control (MBE): Yes | Tjunction: 100 | Harmonized System (HS) code: 8542310001 | Launch date: Q1'24 | OpenCL version: 3.0 | Status: Launched | Processor package size: 45 x 37.5 | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | L2 cache: 28672 | Maximum internal memory: 192 | CPU Family name: Intel Core i7 | Model number: i7-14700 | Units per Shipping Box: 5 | Unit Calculated Volume: 0.001264 | Unit Calculated Weight: 0.482