

Intel Core i7-12700 processor 25 MB Smart Cache Box



Model: BX8071512700

Manufacturer: INTEL

EAN: 5032037237840

Product Code: 937120

R7,222

Supported instruction sets: SSE4.1 | Processor threads: 20 | Supported instruction sets: SSE4.2 | Supported instruction sets: AVX 2.0 | OpenCL version: 2.1 | Intel® Turbo Boost Technology: 2.0 | Processor manufacturer: Intel | Intel Trusted Execution Technology: Yes | Embedded options available: No | Intel 64: Yes | On-board graphics card DirectX version: 12.0 | Maximum internal memory supported by processor: 128 GB | Thermal Monitoring Technologies: Yes | On-board graphics card model: Intel UHD Graphics 770 | Processor model: i7-12700 | ECC: Yes | Intel® Quick Sync Video Technology: Yes | Processor cores: 12 | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | CPU configuration (max): 1 | Processor codename: Alder Lake | Tjunction: 100 °C | Processor operating modes: 64-bit | Processor socket: LGA 1700 | Idle States: Yes | On-board graphics card base frequency: 300 MHz | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor package size: 45 x 37.5 mm | Intel® Optane™ Memory Ready: Yes | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Enhanced Intel SpeedStep Technology: Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | On-board graphics card: Yes | Memory

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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channels: Dual-channel | Processor family: Intel® Core™ i7 | Processor cache: 25 MB | Intel Stable Image Platform Program (SIPP): Yes | Intel® OS Guard: Yes | Discrete graphics card model: Not available | Bus type: DMI4 | PCI Express slots version: 4.0 | Number of execution units: 32 | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Execute Disable Bit: Yes | Intel® Secure Key: Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Discrete graphics card: No | Memory bandwidth (max): 76.8 GB/s | Maximum number of PCI Express lanes: 20 | Maximum internal memory: 128 GB | On-board graphics card ID: 0x4680 | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Intel Turbo Boost Max Technology 3.0: Yes | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Intel® vPro™ Platform Eligibility: Yes | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Mode-based Execute Control (MBE): Yes | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Memory types supported by processor: DDR5-SDRAM | On-board graphics card outputs supported: HDMI 2.1 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | On-board graphics card outputs supported: DisplayPort 1.4a | Memory types supported by processor: DDR4-SDRAM | On-board graphics card dynamic frequency (max): 1500 MHz | Maximum number of DMI lanes: 8 | Use conditions: PC/Client/Tablet | Use conditions: Workstation | Box: Yes | Efficient cores: 4 | Intel® Boot Guard: Yes | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Harmonized System (HS) code: 8542310001 | Commodity Classification Automated Tracking System (CCATS): G167599 | Performance-core boost frequency: 4.8 GHz | Intel® Total Memory Encryption: Yes | Number of displays supported (on-board graphics): 4 | Intel® Thread Director: Yes | Processor generation: 12th gen Intel® Core™ i7 | Intel® Speed Shift Technology: Yes | Intel® Volume Management Device (VMD): Yes | Launch date: Q1'22 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Direct Media Interface (DMI) Revision: 4.0 | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Memory bandwidth supported by processor (max): 76.8 GB/s | Intel® Turbo Boost Max Technology 3.0 frequency: 4.9 GHz | Status: Launched | Scalability: 1S | Target market: Gaming, Content Creation | Performance cores: 8 | Export Control Classification Number (ECCN): 5A992CN3 | Processor base power: 65 W | Intel® Control-flow Enforcement Technology (CET): Yes | Performance-core base frequency: 2.1 GHz | On-board graphics card OpenGL version: 4.5 | Market segment: Desktop | Maximum turbo power: 180 W | Multi-Format Codec Engines: 2 | Warnings: Avoid shocks and drops so as not to damage delicate components. | Warnings: Do not touch the processor pins to avoid electrostatic damage.

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