

Intel Core i7-12700KF processor 25 MB Smart Cache Box



Model: BX8071512700KF

Manufacturer: INTEL

EAN: 5032037234047

Product Code: 1249697

R5,887

Intel® Volume Management Device (VMD): Yes | Use conditions: PC/Client/Tablet | Maximum turbo power: 190 W | Market segment: Desktop | Intel® Control-flow Enforcement Technology (CET): Yes | Launch date: Q4'21 | Intel® Thread Director: Yes | Intel® Turbo Boost Max Technology 3.0 frequency: 5 GHz | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Target market: Gaming, Content Creation | Status: Launched | Mode-based Execute Control (MBE): Yes | Performance-core boost frequency: 4.9 GHz | Maximum number of DMI lanes: 8 | Intel Turbo Boost Max Technology 3.0: Yes | Processor generation: 12th gen Intel® Core™ i7 | Thermal solution specification: PCG 2020A | Memory types supported by processor: DDR4-SDRAM | Processor base power: 125 W | Memory types supported by processor: DDR5-SDRAM | Performance cores: 8 | Memory bandwidth supported by processor (max): 76.8 GB/s | Harmonized System (HS) code: 8542310001 | Efficient cores: 4 | Performance-core base frequency: 3.6 GHz | Intel® Speed Shift Technology: Yes | Intel® Boot Guard: Yes | Box: Yes | Export Control Classification Number (ECCN):

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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5A992CN3 | Commodity Classification Automated Tracking System (CCATS): G167599 | Warnings: Avoid shocks and drops so as not to damage delicate components. | Warnings: Ensure that the processor is adequately cooled to prevent overheating. | Warnings: Do not touch the processor pins to avoid electrostatic damage. | Thermal Monitoring Technologies: Yes | Intel® Optane™ Memory Ready: Yes | Discrete graphics card model: Not available | Intel® AES New Instructions (Intel® AES-NI): Yes | Processor ARK ID: 134595 | Intel® OS Guard: Yes | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Maximum internal memory: 128 GB | Processor manufacturer: Intel | Component for: PC | Supported instruction sets: AVX 2.0 | Supported instruction sets: SSE4.2 | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | Maximum number of PCI Express lanes: 20 | Discrete graphics card: No | Processor threads: 20 | Intel® Secure Key: Yes | Embedded options available: No | Intel 64: Yes | Execute Disable Bit: Yes | Idle States: Yes | Processor cores: 12 | Processor codename: Alder Lake | Intel VT-x with Extended Page Tables (EPT): Yes | On-board graphics card model: Not available | Supported instruction sets: SSE4.1 | PCI Express slots version: 4.0 | On-board graphics card: No | Bus type: DMI4 | Memory channels: Dual-channel | CPU configuration (max): 1 | Processor model: i7-12700KF | Memory bandwidth (max): 76.8 GB/s | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Tjunction: 100 °C | Processor package size: 45 x 37.5 mm | Processor operating modes: 64-bit | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Enhanced Intel SpeedStep Technology: Yes | Processor cache: 25 MB | Maximum internal memory supported by processor: 128 GB | Processor family: Intel® Core™ i7 | Processor socket: LGA 1700

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