

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



Model: BX8071512700KF

Manufacturer: INTEL

EAN: 5032037234047

Product Code: 937119

R5,785

Commodity Classification Automated Tracking System (CCATS): G167599 | Export Control Classification Number (ECCN): 5A992CN3 | Market segment: Desktop | Intel® Boot Guard: Yes | Box: Yes | Status: Launched | Mode-based Execute Control (MBE): Yes | Intel Turbo Boost Max Technology 3.0: Yes | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Thermal solution specification: PCG 2020A | Target market: Gaming, Content Creation | Memory types supported by processor: DDR5-SDRAM | Harmonized System (HS) code: 8542310001 | Use conditions: PC/Client/Tablet | Intel® Volume Management Device (VMD): Yes | Processor generation: 12th gen Intel® Core™ i7 | Memory types supported by processor: DDR4-SDRAM | Processor base power: 125 W | Maximum number of DMI lanes: 8 | Launch date: Q4'21 | Intel® Speed Shift Technology: Yes | Memory bandwidth supported by processor (max): 76.8 GB/s | Maximum turbo power: 190 W | Intel® Thread Director: Yes | Performance-core boost frequency: 4.9 GHz | Intel® Turbo Boost Max Technology 3.0 frequency: 5 GHz | Efficient cores: 4 | Performance cores: 8 | Intel® Control-flow Enforcement

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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Technology (CET): Yes | Performance-core base frequency: 3.6 GHz | Warnings: Do not touch the processor pins to avoid electrostatic damage. | Warnings: Avoid shocks and drops so as not to damage delicate components. | Warnings: Ensure that the processor is adequately cooled to prevent overheating. | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Intel® Optane™ Memory Ready: Yes | Intel® OS Guard: Yes | On-board graphics card: No | Enhanced Intel SpeedStep Technology: Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Processor manufacturer: Intel | Processor operating modes: 64-bit | Intel® Secure Key: Yes | Discrete graphics card model: Not available | Processor model: i7-12700KF | Tjunction: 100 °C | PCI Express slots version: 5.0 | Thermal Monitoring Technologies: Yes | Processor package size: 45 x 37.5 mm | Intel 64: Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor codename: Alder Lake | Intel® AES New Instructions (Intel® AES-NI): Yes | Execute Disable Bit: Yes | Processor socket: LGA 1700 | Processor cores: 12 | Memory bandwidth (max): 76.8 GB/s | CPU configuration (max): 1 | On-board graphics card model: Not available | Discrete graphics card: No | Idle States: Yes | PCI Express slots version: 4.0 | Bus type: DMI4 | Intel VT-x with Extended Page Tables (EPT): Yes | Maximum internal memory supported by processor: 128 GB | Processor family: Intel® Core™ i7 | Supported instruction sets: SSE4.1 | Processor threads: 20 | Supported instruction sets: SSE4.2 | Embedded options available: No | Component for: PC | Supported instruction sets: AVX 2.0 | Memory channels: Dual-channel | Processor ARK ID: 134595 | Maximum internal memory: 128 GB | Maximum number of PCI Express lanes: 20 | Processor cache: 25 MB | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | Processor cache type: Smart Cache

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