

Intel Core i5-12600KF processor 20 MB Smart Cache Box



Model: BX8071512600KF

Manufacturer: INTEL

EAN: 5032037234115

Product Code: 609600

R4,484

PCI Express slots version: 4.0 | Processor operating modes: 64-bit | Tjunction: 100 °C | Embedded options available: No | Maximum number of PCI Express lanes: 20 | Intel® Turbo Boost Technology: 2.0 | On-board graphics card model: Not available | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Processor threads: 16 | Processor cores: 10 | Processor model: i5-12600KF | Component for: PC | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Non-ECC: Yes | CPU configuration (max): 1 | Maximum internal memory: 128 GB | Enhanced Intel SpeedStep Technology: Yes | Thermal Monitoring Technologies: Yes | Memory bandwidth (max): 76.8 GB/s | Intel® AES New Instructions (Intel® AES-NI): Yes | Processor codename: Alder Lake | Processor cache: 20 MB | Processor family: Intel® Core™ i5 | Discrete graphics card model: Not available | Intel® Optane™ Memory Ready: Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor package size: 45 x 37.5 mm | Supported instruction sets: SSE4.2 | Supported instruction sets: SSE4.1 | Supported

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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instruction sets: AVX 2.0 | Maximum turbo power: 150 W | Target market: Gaming | Maximum number of DMI lanes: 8 | Status: Launched | Mode-based Execute Control (MBE): Yes | Scalability: 1S | Intel® OS Guard: Yes | Market segment: Desktop | Performance-core base frequency: 3.7 GHz | Intel 64: Yes | Intel Virtualization Technology (VT-x): Yes | Idle States: Yes | Processor ARK ID: 134590 | Launch date: Q4'21 | On-board graphics card: No | Cooler included: No | Intel® Secure Key: Yes | Intel® Speed Shift Technology: Yes | Memory channels: Dual-channel | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Box: Yes | Processor manufacturer: Intel | Execute Disable Bit: Yes | Processor socket: LGA 1700 | Bus type: DMI4 | Intel VT-x with Extended Page Tables (EPT): Yes | Memory bandwidth supported by processor (max): 76.8 GB/s | Intel® Volume Management Device (VMD): Yes | Use conditions: PC/Client/Tablet | Memory types supported by processor: DDR4-SDRAM | Processor base power: 125 W | Memory types supported by processor: DDR5-SDRAM | Maximum internal memory supported by processor: 128 GB | Thermal solution specification: PCG 2020A | Discrete graphics card: No | Intel Turbo Boost Max Technology 3.0: No | Processor generation: 12th gen Intel® Core™ i5 | Harmonized System (HS) code: 85423119 | Intel® Boot Guard: Yes | Performance-core boost frequency: 4.9 GHz | Warnings: Be careful when handling the processor to avoid damaging the delicate pins. | Warnings: Ensure that the CPU is properly mounted in the CPU socket to avoid damage. | Warnings: Do not dispose of the processors in the normal rubbish bin - they require special disposal due to their potential environmental impact. | Commodity Classification Automated Tracking System (CCATS): G167599 | Intel® Control-flow Enforcement Technology (CET): Yes | Export Control Classification Number (ECCN): 5A992CN3 | Intel® Thread Director: Yes | Performance cores: 6 | Efficient cores: 4 | Intel® Standard Manageability (ISM): Yes

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