

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



Model: BX8071512600KF

Manufacturer: INTEL

EAN: 5032037234115

Product Code: 1249686

R4,573

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

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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Intel Virtualization Technology (VT-x): Yes | Processor manufacturer: Intel | Target market: Gaming | Memory types supported by processor: DDR5-SDRAM | On-board graphics card: No | Scalability: 1S | Supported instruction sets: SSE4.2 | Launch date: Q4'21 | Export Control Classification Number (ECCN): 5A992CN3 | Memory types supported by processor: DDR4-SDRAM | Thermal solution specification: PCG 2020A | Maximum internal memory supported by processor: 128 GB | Discrete graphics card: No | Intel Turbo Boost Max Technology 3.0: No | Supported instruction sets: AVX 2.0 | Intel® Control-flow Enforcement Technology (CET): Yes | Performance cores: 6 | Cooler included: No | Idle States: Yes | Intel® Boot Guard: Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Memory bandwidth supported by processor (max): 76.8 GB/s | Memory channels: Dual-channel | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® OS Guard: Yes | Intel® Secure Key: Yes | Execute Disable Bit: Yes | Intel® Volume Management Device (VMD): Yes | Harmonized System (HS) code: 85423119 | Efficient cores: 4 | Bus type: DMI4 | Intel® Speed Shift Technology: Yes | Commodity Classification Automated Tracking System (CCATS): G167599 | Intel® Thread Director: Yes | Status: Launched | Supported instruction sets: SSE4.1 | Market segment: Desktop | Processor ARK ID: 134590 | Processor socket: LGA 1700 | Intel® Standard Manageability (ISM): Yes | Processor base power: 125 W | Warnings: Do not dispose of the processors in the normal rubbish bin - they require special disposal due to their potential environmental impact. | Performance-core base frequency: 3.7 GHz | Maximum number of DMI lanes: 8 | Processor generation: 12th gen Intel® Core™ i5 | Warnings: Be careful when handling the processor to avoid damaging the delicate pins. | Maximum turbo power: 150 W | Warnings: Ensure that the CPU is properly mounted in the CPU socket to avoid damage. | Use conditions: PC/Client/Tablet | Performance-core boost frequency: 4.9 GHz

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