

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



Model: BX8071512700F

Manufacturer: INTEL

EAN: 5032037237826

Product Code: 1249696

R6,529

Embedded options available: No | Maximum internal memory: 128 GB | Enhanced Intel SpeedStep Technology: Yes | On-board graphics card model: Not available | PCI Express slots version: 5.0 | PCI Express slots version: 4.0 | Intel® Turbo Boost Technology: 2.0 | Non-ECC: Yes | Processor family: Intel® Core™ i7 | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor codename: Alder Lake | Discrete graphics card model: Not available | Thermal Monitoring Technologies: Yes | Processor package size: 45 x 37.5 mm | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | CPU configuration (max): 1 | Warnings: Do not touch the processor pins to avoid electrostatic damage. | Warnings: Ensure that the processor is adequately cooled to prevent overheating. | Warnings: Avoid shocks and drops so as not to damage delicate components. | Mode-based Execute Control (MBE): Yes | Performance-core base frequency: 2.1 GHz | Performance-core boost frequency: 4.8 GHz | Cooler included: Yes | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® Speed Shift Technology: Yes | Intel® Turbo Boost Max

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 3.0 frequency: 4.9 GHz | Performance cores: 8 | Intel® Control-flow Enforcement Technology (CET): Yes | Intel® Volume Management Device (VMD): Yes | Target market: Gaming, Content Creation | Intel® Thread Director: Yes | Maximum number of DMI lanes: 8 | Efficient cores: 4 | Processor base power: 65 W | Intel® Boot Guard: Yes | Intel Turbo Boost Max Technology 3.0: Yes | Commodity Classification Automated Tracking System (CCATS): G167599 | Export Control Classification Number (ECCN): 5A992CN3 | Maximum turbo power: 180 W | Discrete graphics card: No | On-board graphics card: No | Intel 64: Yes | Processor manufacturer: Intel | Intel® Optane™ Memory Ready: Yes | Harmonized System (HS) code: 85423119 | Execute Disable Bit: Yes | Memory types supported by processor: DDR5-SDRAM | Intel® OS Guard: Yes | Memory bandwidth (max): 76.8 GB/s | Memory types supported by processor: DDR4-SDRAM | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Processor cache: 25 MB | Box: Yes | Maximum number of PCI Express lanes: 20 | Intel VT-x with Extended Page Tables (EPT): Yes | Memory bandwidth supported by processor (max): 76.8 GB/s | Memory channels: Dual-channel | Processor operating modes: 64-bit | Tjunction: 100 °C | Status: Launched | Idle States: Yes | Supported instruction sets: SSE4.1 | Launch date: Q1'22 | Processor cache type: Smart Cache | Intel® Secure Key: Yes | Market segment: Desktop | Processor ARK ID: 134592 | Processor threads: 20 | Scalability: 1S | Bus type: DMI4 | Supported instruction sets: AVX 2.0 | Processor model: i7-12700F | Supported instruction sets: SSE4.2 | Maximum internal memory supported by processor: 128 GB | Processor cores: 12 | Processor socket: LGA 1700 | Intel® Standard Manageability (ISM): Yes | Direct Media Interface (DMI) Revision: 4.0 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Processor generation: 12th gen Intel® Core™ i7 | Use conditions: PC/Client/Tablet

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