



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



Model: BX8071512700F

Manufacturer: INTEL

EAN: 5032037237826

Product Code: 937117

R6,366

CPU configuration (max): 1 | PCI Express slots version: 4.0 | Maximum internal memory: 128 GB | Enhanced Intel SpeedStep Technology: Yes | Warnings: Do not touch the processor pins to avoid electrostatic damage. | Warnings: Ensure that the processor is adequately cooled to prevent overheating. | Discrete graphics card model: Not available | PCI Express slots version: 5.0 | Embedded options available: No | Intel® Turbo Boost Technology: 2.0 | Thermal Monitoring Technologies: Yes | Processor package size: 45 x 37.5 mm | Warnings: Avoid shocks and drops so as not to damage delicate components. | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor codename: Alder Lake | Processor family: Intel® Core™ i7 | On-board graphics card model: Not available | Non-ECC: Yes | Intel® Speed Shift Technology: Yes | Mode-based Execute Control (MBE): Yes | Cooler included: Yes | Intel® Volume Management Device (VMD): Yes | Target market: Gaming, Content Creation | Intel® Turbo Boost Max Technology 3.0 frequency: 4.9 GHz | Intel®

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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Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Memory types supported by processor: DDR5-SDRAM | Processor cache: 25 MB | Maximum internal memory supported by processor: 128 GB | Tjunction: 100 °C | Discrete graphics card: No | Processor threads: 20 | Maximum number of DMI lanes: 8 | Processor ARK ID: 134592 | Intel Turbo Boost Max Technology 3.0: Yes | Intel 64: Yes | Maximum turbo power: 180 W | Processor manufacturer: Intel | Scalability: 1S | Intel® Boot Guard: Yes | Intel® Thread Director: Yes | Intel® OS Guard: Yes | Processor socket: LGA 1700 | Intel® AES New Instructions (Intel® AES-NI): Yes | Performance-core boost frequency: 4.8 GHz | Idle States: Yes | Direct Media Interface (DMI) Revision: 4.0 | Status: Launched | Supported instruction sets: AVX 2.0 | Processor cores: 12 | Intel® Optane™ Memory Ready: Yes | Supported instruction sets: SSE4.1 | Supported instruction sets: SSE4.2 | Maximum number of PCI Express lanes: 20 | Export Control Classification Number (ECCN): 5A992CN3 | Processor generation: 12th gen Intel® Core™ i7 | Memory types supported by processor: DDR4-SDRAM | Processor operating modes: 64-bit | Intel® Standard Manageability (ISM): Yes | Commodity Classification Automated Tracking System (CCATS): G167599 | Memory channels: Dual-channel | Performance cores: 8 | Use conditions: PC/Client/Tablet | Processor cache type: Smart Cache | Box: Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Processor model: i7-12700F | Intel® Control-flow Enforcement Technology (CET): Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Performance-core base frequency: 2.1 GHz | Memory bandwidth (max): 76.8 GB/s | On-board graphics card: No | Processor base power: 65 W | Bus type: DMI4 | Efficient cores: 4 | Memory bandwidth supported by processor (max): 76.8 GB/s | Intel® Secure Key: Yes | Execute Disable Bit: Yes | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Harmonized System (HS) code: 85423119 | Launch date: Q1'22 | Market segment: Desktop

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