

Intel Core i3- 12100F processor 12 MB Smart Cache Box



Model: BX8071512100F

Manufacturer: INTEL

EAN: 5032037238731

Product Code: 798621

R2,731

Processor package size: 45 x 37.5 mm | Discrete graphics card: No | Thermal Monitoring Technologies: Yes | Discrete graphics card model: Not available | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Intel 64: Yes | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Idle States: Yes | Execute Disable Bit: Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Processor ARK ID: 132223 | On-board graphics card: No | Memory bandwidth (max): 76.8 GB/s | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Supported instruction sets: AVX 2.0 | Processor threads: 8 | Intel® Optane™ Memory Ready: Yes | Supported instruction sets: SSE4.1 | Processor family: Intel® Core™ i3 | Maximum internal memory supported by processor: 128 GB | Memory types supported by processor: DDR5-SDRAM | Supported instruction sets: SSE4.2 | Processor boost frequency: 4.3 GHz | Memory channels: Dual-channel | Memory types supported by processor: DDR4-SDRAM | Intel® OS Guard: Yes | Processor codename: Alder Lake | Embedded options available: No | Intel® Turbo Boost

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: 2.0 | Processor cache: 12 MB | Non-ECC: Yes | Tjunction: 100 °C | Bus type: DMI4 | Intel VT-x with Extended Page Tables (EPT): Yes | Memory bandwidth supported by processor (max): 76.8 GB/s | CPU configuration (max): 1 | Processor operating modes: 64-bit | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Maximum number of PCI Express lanes: 20 | PCI Express slots version: 4.0 | Processor manufacturer: Intel | Enhanced Intel SpeedStep Technology: Yes | Intel Enhanced Halt State: Yes | Intel® Secure Key: Yes | Maximum internal memory: 128 GB | Processor model: i3-12100F | Processor cores: 4 | Scalability: 1S | On-board graphics card model: Not available | Processor socket: LGA 1700 | Intel® Volume Management Device (VMD): Yes | Harmonized System (HS) code: 85423119 | Intel Turbo Boost Max Technology 3.0: No | Intel® Speed Shift Technology: Yes | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® Boot Guard: Yes | L2 cache: 5120 KB | Cooler included: Yes | Mode-based Execute Control (MBE): Yes | Launch date: Q1'22 | Market segment: Desktop | Thermal solution specification: PCG 2020C | Status: Launched | Performance-core base frequency: 3.3 GHz | Commodity Classification Automated Tracking System (CCATS): G167599 | Use conditions: PC/Client/Tablet | Performance cores: 4 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Direct Media Interface (DMI) Revision: 4.0 | Intel® Standard Manageability (ISM): Yes | Performance-core boost frequency: 4.3 GHz | Processor generation: 12th gen Intel® Core™ i3 | Intel® Control-flow Enforcement Technology (CET): Yes | Processor base power: 58 W | Maximum turbo power: 89 W | Intel® Thread Director: No | Export Control Classification Number (ECCN): 5A992.C | Maximum number of DMI lanes: 8 | Warnings: Do not use excessive force when assembling or disassembling the processor. | Warnings: Be careful during assembly to avoid damaging the CPU pins or socket. | Warnings: Avoid mounting with the power supply running.

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