

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



Model: BX8071512100F

Manufacturer: INTEL

EAN: 5032037238731

Product Code: 937108

R2,679

Processor boost frequency: 4.3 GHz | Embedded options available: No | Intel® Optane™ Memory Ready: Yes | PCI Express configurations: 1x16+1x4 | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® Turbo Boost Technology: 2.0 | Enhanced Intel SpeedStep Technology: Yes | Discrete graphics card model: Not available | CPU configuration (max): 1 | Non-ECC: Yes | Processor threads: 8 | PCI Express slots version: 5.0 | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Maximum number of PCI Express lanes: 20 | PCI Express slots version: 4.0 | Processor operating modes: 64-bit | Tjunction: 100 °C | Processor family: Intel® Core™ i3 | Thermal Monitoring Technologies: Yes | Processor package size: 45 x 37.5 mm | Processor codename: Alder Lake | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | PCI Express configurations: 2x8+1x4 | Maximum internal memory: 128 GB | Processor model: i3-12100F | Processor cores: 4 | On-board graphics card model: Not available | Execute Disable Bit: Yes | Intel® Secure Key: Yes | Memory channels: Dual-channel | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel Turbo

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Boost Max Technology 3.0: No | Thermal solution specification: PCG 2020C | Intel Enhanced Halt State: Yes | Supported instruction sets: SSE4.1 | Scalability: 1S | Intel 64: Yes | Processor manufacturer: Intel | Status: Launched | Supported instruction sets: AVX 2.0 | Intel® Boot Guard: Yes | L2 cache: 5120 KB | Cooler included: Yes | Memory types supported by processor: DDR5-SDRAM | Memory types supported by processor: DDR4-SDRAM | Intel® Speed Shift Technology: Yes | Maximum internal memory supported by processor: 128 GB | Bus type: DMI4 | Processor cache type: Smart Cache | Intel® Volume Management Device (VMD): Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Memory bandwidth supported by processor (max): 76.8 GB/s | On-board graphics card: No | Mode-based Execute Control (MBE): Yes | Supported instruction sets: SSE4.2 | Intel Virtualization Technology (VT-x): Yes | Discrete graphics card: No | Processor socket: LGA 1700 | Harmonized System (HS) code: 85423119 | Memory bandwidth (max): 76.8 GB/s | Idle States: Yes | Processor ARK ID: 132223 | Processor cache: 12 MB | Intel® OS Guard: Yes | Launch date: Q1'22 | Market segment: Desktop | Intel® Control-flow Enforcement Technology (CET): Yes | Commodity Classification Automated Tracking System (CCATS): G167599 | Export Control Classification Number (ECCN): 5A992.C | Performance-core base frequency: 3.3 GHz | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Performance cores: 4 | Use conditions: PC/Client/Tablet | Performance-core boost frequency: 4.3 GHz | Intel® Thread Director: No | Direct Media Interface (DMI) Revision: 4.0 | Processor generation: 12th gen Intel® Core™ i3 | Maximum number of DMI lanes: 8 | Processor base power: 58 W | Intel® Standard Manageability (ISM): Yes | Maximum turbo power: 89 W | Warnings: Avoid mounting with the power supply running. | 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.

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