

Intel Core i3- 12100 processor 12 MB Smart Cache Box



Model: BX8071512100

Manufacturer: INTEL

EAN: 5032037238458

Product Code: 1300021

R3,606

Intel® Quick Sync Video Technology: Yes | Number of displays supported (on-board graphics): 4 | Intel® Secure Key: Yes | Discrete graphics card: No | Processor model: i3-12100 | OpenCL version: 2.1 | CPU configuration (max): 1 | Processor cores: 4 | Idle States: Yes | Embedded options available: No | Execute Disable Bit: Yes | Status: Launched | Processor threads: 8 | Processor cache: 12 MB | Processor family: Intel® Core™ i3 | Maximum internal memory supported by processor: 128 GB | On-board graphics card DirectX version: 12.0 | On-board graphics card model: Intel UHD Graphics 730 | Supported instruction sets: SSE4.2 | Memory types supported by processor: DDR5-SDRAM | Thermal Monitoring Technologies: Yes | Intel 64: Yes | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | On-board graphics card dynamic frequency (max): 1400 MHz | Intel® Optane™ Memory Ready: Yes | Processor manufacturer: Intel | Memory channels: Dual-channel | On-board graphics card: Yes | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Intel® OS Guard: Yes | Number of execution units: 24 | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Memory bandwidth (max): 76.8 GB/s | Processor package size: 45 x 37.5 mm | PCI Express slots version: 4.0 | Intel® Hyper

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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Threading Technology (Intel® HT Technology): Yes | Discrete graphics card model: Not available | Maximum number of PCI Express lanes: 20 | On-board graphics card ID: 0x4692 | Supported instruction sets: SSE4.1 | Intel VT-x with Extended Page Tables (EPT): Yes | Memory types supported by processor: DDR4-SDRAM | Enhanced Intel SpeedStep Technology: Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | Processor codename: Alder Lake | Tjunction: 100 °C | On-board graphics card base frequency: 300 MHz | Processor operating modes: 64-bit | Processor socket: LGA 1700 | Supported instruction sets: AVX 2.0 | Launch date: Q1'22 | Intel® Speed Shift Technology: Yes | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | On-board graphics card outputs supported: HDMI 2.1 | Intel® Boot Guard: Yes | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Box: Yes | On-board graphics card outputs supported: DisplayPort 1.4a | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | Harmonized System (HS) code: 8542310001 | Market segment: Desktop | On-board graphics card OpenGL version: 4.5 | Processor base power: 60 W | Maximum number of DMI lanes: 8 | Maximum turbo power: 89 W | Multi-Format Codec Engines: 1 | Intel® Volume Management Device (VMD): Yes | Intel Turbo Boost Max Technology 3.0: No | Processor generation: 12th gen Intel® Core™ i3 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Mode-based Execute Control (MBE): Yes | Performance-core boost frequency: 4.3 GHz | Direct Media Interface (DMI) Revision: 4.0 | Intel® Thread Director: No | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Export Control Classification Number (ECCN): 5A992CN3 | Performance-core base frequency: 3.3 GHz | Intel® Control-flow Enforcement Technology (CET): Yes | Performance cores: 4 | Commodity Classification Automated Tracking System (CCATS): G167599 | Warnings: Do not use excessive force when assembling or disassembling the processor.

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