

Intel Core i3- 12100 processor 12 MB Smart Cache Box



Model: BX8071512100

Manufacturer: INTEL

EAN: 5032037238458

Product Code: 649613

R3,840

Supported instruction sets: AVX 2.0 | Status: Launched | Processor threads: 8 | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | On-board graphics card dynamic frequency (max): 1400 MHz | Supported instruction sets: SSE4.1 | Launch date: Q1'22 | Supported instruction sets: SSE4.2 | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Idle States: Yes | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Processor codename: Alder Lake | Intel® OS Guard: Yes | Intel® Optane™ Memory Ready: Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor cache: 12 MB | Memory types supported by processor: DDR4-SDRAM | Processor family: Intel® Core™ i3 | Maximum internal memory supported by processor: 128 GB | Thermal Monitoring Technologies: Yes | Discrete graphics card model: Not available | Harmonized System (HS) code: 8542310001 | Memory types supported by processor: DDR5-SDRAM | Number of displays supported (on-board graphics): 4 | On-board graphics card OpenGL version: 4.5 | Market segment: Desktop | Number of execution units: 24 | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card

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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maximum resolution (HDMI): 4096 x 2160 pixels | OpenCL version: 2.1 | Intel 64: Yes | CPU configuration (max): 1 | Processor manufacturer: Intel | Processor package size: 45 x 37.5 mm | Enhanced Intel SpeedStep Technology: Yes | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | PCI Express slots version: 4.0 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Intel VT-x with Extended Page Tables (EPT): Yes | On-board graphics card: Yes | Maximum number of PCI Express lanes: 20 | Memory bandwidth (max): 76.8 GB/s | Intel® Speed Shift Technology: Yes | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Execute Disable Bit: Yes | Embedded options available: No | On-board graphics card DirectX version: 12.0 | Processor model: i3-12100 | Box: Yes | Discrete graphics card: No | On-board graphics card model: Intel UHD Graphics 730 | On-board graphics card ID: 0x4692 | Processor cores: 4 | Intel® Secure Key: Yes | On-board graphics card outputs supported: DisplayPort 1.4a | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Memory channels: Dual-channel | On-board graphics card outputs supported: HDMI 2.1 | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | Intel® Quick Sync Video Technology: Yes | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Intel® Boot Guard: Yes | Tjunction: 100 °C | Processor operating modes: 64-bit | On-board graphics card base frequency: 300 MHz | Processor socket: LGA 1700 | Mode-based Execute Control (MBE): Yes | Intel® Volume Management Device (VMD): Yes | Direct Media Interface (DMI) Revision: 4.0 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Performance-core boost frequency: 4.3 GHz | Intel Turbo Boost Max Technology 3.0: No | Processor base power: 60 W | Export Control Classification Number (ECCN): 5A992CN3 | Performance cores: 4 | Commodity Classification Automated Tracking System (CCATS): G167599 | Maximum turbo power: 89 W | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Performance-core base frequency: 3.3 GHz | Intel® Thread Director: No | Processor generation: 12th gen Intel® Core™ i3 | Intel® Control-flow Enforcement Technology (CET): Yes | Multi-Format Codec Engines: 1 | Maximum number of DMI lanes: 8 | Warnings: Do not use excessive force when assembling or disassembling the processor.

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