

Intel Core i3-12100 processor 12 MB Smart Cache Box

Model: BX8071512100

Manufacturer: INTEL

EAN: 5032037238458

Product Code: 1375774

R3,417

Processor package size: 45 x 37.5 mm | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Processor codename: Alder Lake | Thermal Monitoring Technologies: Yes | Intel® Optane™ Memory Ready: Yes | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Tjunction: 100 °C | Processor operating modes: 64-bit | CPU configuration (max): 1 | Intel® Quick Sync Video Technology: Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Intel® Boot Guard: Yes | Processor cores: 4 | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Processor manufacturer: Intel | PCI Express slots version: 4.0 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Intel® Speed Shift Technology: Yes | Intel VT-x with Extended Page Tables (EPT): Yes | On-board graphics card model: Intel UHD Graphics 730 | Maximum number of PCI Express lanes: 20 | OpenCL version: 2.1 | Box: Yes | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | Market segment: Desktop | On-board graphics card ID: 0x4692 | On-board graphics card DirectX version: 12.0 | Execute Disable Bit: Yes | Processor model: i3-12100 | Embedded options

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.
itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

available: No | Discrete graphics card: No | Processor threads: 8 | Status: Launched | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Intel® Secure Key: Yes | Number of execution units: 24 | Discrete graphics card model: Not available | Supported instruction sets: AVX 2.0 | Supported instruction sets: SSE4.2 | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | Intel 64: Yes | Supported instruction sets: SSE4.1 | On-board graphics card OpenGL version: 4.5 | Launch date: Q1'22 | Enhanced Intel SpeedStep Technology: Yes | Intel® OS Guard: Yes | On-board graphics card outputs supported: DisplayPort 1.4a | Memory channels: Dual-channel | On-board graphics card outputs supported: HDMI 2.1 | Processor family: Intel® Core™ i3 | Maximum internal memory supported by processor: 128 GB | Memory types supported by processor: DDR4-SDRAM | On-board graphics card: Yes | Memory bandwidth (max): 76.8 GB/s | Idle States: Yes | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | On-board graphics card dynamic frequency (max): 1400 MHz | Number of displays supported (on-board graphics): 4 | Memory types supported by processor: DDR5-SDRAM | Processor cache: 12 MB | Processor socket: LGA 1700 | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | On-board graphics card base frequency: 300 MHz | Harmonized System (HS) code: 8542310001 | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Maximum turbo power: 89 W | Multi-Format Codec Engines: 1 | Intel® Thread Director: No | Processor base power: 60 W | Intel® Control-flow Enforcement Technology (CET): Yes | Performance-core boost frequency: 4.3 GHz | Performance-core base frequency: 3.3 GHz | Intel Turbo Boost Max Technology 3.0: No | Processor generation: 12th gen Intel® Core™ i3 | Commodity Classification Automated Tracking System (CCATS): G167599 | Maximum number of DMI lanes: 8 | Export Control Classification Number (ECCN): 5A992CN3 | Mode-based Execute Control (MBE): Yes | Direct Media Interface (DMI) Revision: 4.0 | Intel® Volume Management Device (VMD): Yes | Performance cores: 4 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Warnings: Do not use excessive force when assembling or disassembling the processor.

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.
itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950