

Intel Core i3- 14100 processor 12 MB Smart Cache Box



Model: BX8071514100

Manufacturer: INTEL

EAN: 5032037279079

Product Code: 945298

R3,843

Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Processor codename: Raptor Lake | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Enhanced Intel SpeedStep Technology: Yes | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Intel® Turbo Boost Technology: 2.0 | Tjunction: 100 °C | PCI Express slots version: 4.0 | On-board graphics card DirectX version: 12.0 | Processor boost frequency: 4.7 GHz | Discrete graphics card model: Not available | Embedded options available: Yes | Number of execution units: 24 | CPU configuration (max): 1 | PCI Express slots version: 5.0 | Processor package size: 45 x 37.5 mm | Thermal Monitoring Technologies: Yes | Non-ECC: Yes | Processor family: Intel® Core™ i3 | On-board graphics card model: Intel UHD Graphics 730 | Maximum internal memory: 192 GB | Intel® Quick Sync Video Technology: Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel 64: Yes | Idle States: Yes | Processor cache: 12 MB | Processor cores: 4 | Execute Disable Bit: Yes | Supported instruction sets: SSE4.1 | Supported instruction sets: SSE4.2 | Intel® Secure Key: Yes | Processor threads: 8 | Processor model: i3-14100 | Memory bandwidth (max): 76.8 GB/s | Intel® OS Guard: Yes | Discrete graphics card: No | On-board

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graphics card: Yes | Intel Virtualization Technology (VT-x): Yes | Processor operating modes: 64-bit | On-board graphics card dynamic frequency (max): 1500 MHz | Launch date: Q1'24 | Processor manufacturer: Intel | OpenCL version: 3.0 | Processor socket: LGA 1700 | Memory channels: Dual-channel | Memory types supported by processor: DDR5-SDRAM | L2 cache: 5120 KB | Cooler included: Yes | Supported instruction sets: AVX 2.0 | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Number of displays supported (on-board graphics): 4 | On-board graphics card maximum resolution (eDP - Integrated Flat Panel): 5120 x 3200 pixels | Status: Launched | On-board graphics card base frequency: 300 MHz | Scalability: 1S | Bus type: DMI4 | Market segment: Desktop | Intel® Volume Management Device (VMD): Yes | On-board graphics card OpenGL version: 4.5 | Processor cache type: Smart Cache | Intel VT-x with Extended Page Tables (EPT): Yes | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 120 Hz | On-board graphics card ID: 0x4692 | Maximum number of PCI Express lanes: 20 | Mode-based Execute Control (MBE): Yes | On-board graphics card maximum resolution (DisplayPort): 7680 x 4320 pixels | On-board graphics card maximum resolution (HDMI): 4096 x 2160 pixels | Maximum number of DMI lanes: 8 | Box: Yes | Intel® Boot Guard: Yes | Use conditions: PC/Client/Tablet | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Intel Turbo Boost Max Technology 3.0: No | Intel® Threat Detection Technology (TDT): Yes | On-board graphics card outputs supported: HDMI 2.1 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Graphics output: eDP 1.4b, DP 1.4a, HDMI 2.1 | Intel® Thread Director: No | Processor generation: Intel Core i3-14xxx | Intel® Standard Manageability (ISM): Yes | On-board graphics card outputs supported: DisplayPort 1.4a | Performance-core base frequency: 3.5 GHz | Memory bandwidth supported by processor (max): 76.8 GB/s | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Intel® Control-flow Enforcement Technology (CET): Yes | Performance cores: 4 | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Multi-Format Codec Engines: 1 | Intel® Speed Shift Technology: Yes | Maximum turbo power: 110 W | Direct Media Interface (DMI) Revision: 4.0 | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0: Yes | Processor base power: 60 W | Performance-core boost frequency: 4,7 GHz

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