

Intel Core i3-14100F processor 12 MB Smart Cache Box



Model: BX8071514100F

Manufacturer: INTEL

EAN: 5032037279093

Product Code: 650194

R2,954

Processor family: Intel® Core™ i3 | Processor cache: 12 MB | Memory channels: Dual-channel | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Maximum internal memory supported by processor: 192 GB | Memory types supported by processor: DDR4-SDRAM | Tjunction: 100 °C | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Intel® OS Guard: Yes | L2 cache: 5120 KB | Cooler included: Yes | Intel Turbo Boost Max Technology 3.0: No | Processor cores: 4 | Thermal Monitoring Technologies: Yes | Processor model: i3-14100F | Intel® Control-flow Enforcement Technology (CET): Yes | Processor codename: Raptor Lake | Intel® Boot Guard: Yes | Memory types supported by processor: DDR5-SDRAM | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Memory bandwidth (max): 76.8 GB/s | On-board graphics card: No | Processor package size: 45 x 37.5 mm | Enhanced Intel SpeedStep Technology: Yes | Box: Yes | Mode-based Execute Control (MBE): Yes | Intel® Clear Video HD Technology (Intel® CVT HD): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® Gaussian & Neural Accelerator

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(Intel® GNA) 3.0: Yes | Use conditions: PC/Client/Tablet | PCI Express configurations: 1x16+1x4 | PCI Express configurations: 2x8+1x4 | Processor operating modes: 64-bit | Intel® Volume Management Device (VMD): Yes | Non-ECC: Yes | OpenCL version: 3.0 | Intel® Quick Sync Video Technology: Yes | Maximum number of PCI Express lanes: 20 | Performance-core boost frequency: 4,7 GHz | Status: Launched | Maximum turbo power: 110 W | Intel® Speed Shift Technology: Yes | Intel® Secure Key: Yes | Launch date: Q1'24 | Intel® Thread Director: No | Supported instruction sets: SSE4.2 | PCI Express slots version: 4.0 | Maximum internal memory: 192 GB | Market segment: Desktop | Bus type: DMI4 | Processor generation: Intel Core i3-14xxx | Direct Media Interface (DMI) Revision: 4.0 | Processor base power: 58 W | Embedded options available: Yes | Intel® Standard Manageability (ISM): Yes | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Discrete graphics card: No | Warnings: Do not use excessive force when assembling or disassembling the processor. | Idle States: Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Memory bandwidth supported by processor (max): 76.8 GB/s | Supported instruction sets: SSE4.1 | Processor threads: 8 | Supported instruction sets: AVX 2.0 | Intel® Threat Detection Technology (TDT): Yes | Intel 64: Yes | Performance cores: 4 | Maximum number of DMI lanes: 8 | Processor manufacturer: Intel | Performance-core base frequency: 3.5 GHz | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | CPU configuration (max): 1 | Execute Disable Bit: Yes | Processor socket: LGA 1700

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