



Intel Core Ultra 5 225 processor 20 MB Smart Cache Box



Model: BX80768225

Manufacturer: INTEL

EAN: 5032037282352

Product Code: 937114

R4,557

Intel® Quick Sync Video Technology: Yes | Intel® Boot Guard: Yes | On-board graphics card outputs supported: Embedded DisplayPort (eDP) 1.4b | Processor generation: Intel Core Ultra (Series 2) | Processor manufacturer: Intel | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Maximum number of PCI Express lanes: 24 | Intel VT-x with Extended Page Tables (EPT): Yes | OpenCL version: 3.0 | Graphics output: DP2.1 UHBR20, HDMI 2.1 FRL 12GHz, eDP1.4b | Processor socket: FCLGA1851 | Intel® Control-flow Enforcement Technology (CET): Yes | NPU performance up to: 13 TOPs | Discrete graphics card: No | Maximum internal memory supported by processor: 192 GB | L2 cache: 22528 KB | Idle States: Yes | AI software frameworks supported by NPU: WebNN | Use conditions: PC/Client/Tablet | Performance cores: 6 | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 Hz | Intel® OS Guard: Yes | Supported instruction sets: AVX 2.0 | Processor operating modes: 64-bit | Number of displays supported (on-board graphics): 4 | Intel Trusted Execution Technology: Yes | On-board graphics card: Yes | Enhanced Intel SpeedStep Technology: Yes | Memory channels: Dual-channel | On-board graphics card outputs supported: HDMI

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2.1 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Memory clock speeds supported by processor: 6400 MHz | Launch date: Q1'25 | Processor cache: 20 MB | On-board graphics card model: Intel® Graphics | Discrete graphics card model: Not available | Mode-based Execute Control (MBE): Yes | Processor model: 225 | Box: Yes | Processor codename: Arrow Lake | Maximum number of DMI lanes: 8 | Intel® Standard Manageability (ISM): Yes | AI software frameworks supported by NPU: DirectML | Intel® Volume Management Device (VMD): Yes | Intel 64: Yes | Processor family: Intel Core Ultra 5 | On-board graphics card DirectX version: 12.0 | Supported instruction sets: SSE4.1 | Processor threads: 10 | AI software frameworks supported by NPU: ONNX RT | AI software frameworks supported by NPU: Windows ML | Status: Launched | Memory types supported by processor: DDR5-SDRAM | Performance-core base frequency: 3.3 GHz | AI software frameworks supported by CPU: DirectML | AI software frameworks supported by CPU: ONNX RT | AI software frameworks supported by CPU: OpenVINO | Supported instruction sets: SSE4.2 | Execute Disable Bit: Yes | AI software frameworks supported by CPU: WebNN | Windows Studio effects support: Yes | On-board graphics card outputs supported: DisplayPort 2.1 | PCI Express slots version: 4.0 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 Hz | Neural processor unit (NPU): Intel AI Boost | Maximum internal memory: 192 GB | Intel® Thunderbolt 4: Yes | On-board graphics card OpenGL version: 4.5 | Efficient cores: 4 | Processor ARK ID: 241070 | Total processor performance up to: 23 TOPs | Processor cores: 10 | Intel® Speed Shift Technology: Yes | Intel® Deep Learning Boost (Intel® DL Boost) on GPU: Yes | Performance-core boost frequency: 4.9 GHz | Thermal Monitoring Technologies: Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Direct Media Interface (DMI) Revision: 4.0 | AI software frameworks supported by CPU: Windows ML | On-board graphics card base frequency: 300 MHz | Market segment: Desktop | AI software frameworks supported by NPU: OpenVINO | Intel® Thread Director: Yes | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | Xe-cores: 2 | On-board graphics card dynamic frequency (max): 1800 MHz | GPU performance up to: 4 TOPs | Processor base power: 65 W | On-board graphics card ID: 0x7D67 | Sparsity support: Yes | Intel® Secure Key: Yes | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 60 Hz | Embedded options available: Yes | Maximum turbo power: 121 W | Warnings: Do not dispose of the processors in the normal rubbish bin - they require special disposal due to their potential environmental impact. | Warnings: Ensure that the CPU is properly mounted in the CPU socket to avoid damage.

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