

Intel Core Ultra 7 265F processor 30 MB Smart Cache Box

Model: BX80768265F

Manufacturer: INTEL

EAN: 5032037282734

Product Code: 1249701

R8,652

Performance-core base frequency: 2.4 GHz | AI software frameworks supported by NPU: ONNX RT | Processor base power: 65 W | Intel® Turbo Boost Max Technology 3.0 frequency: 5.3 GHz | Use conditions: PC/Client/Tablet | Maximum number of DMI lanes: 8 | Performance-core boost frequency: 5.2 GHz | AI software frameworks supported by NPU: Windows ML | Intel® Standard Manageability (ISM): Yes | Neural processor unit (NPU): Intel AI Boost | Maximum turbo power: 182 W | AI software frameworks supported by NPU: DirectML | NPU performance up to: 13 TOPs | Processor generation: Intel Core Ultra (Series 2) | Intel® Control-flow Enforcement Technology (CET): Yes | AI software frameworks supported by NPU: WebNN | Sparsity support: Yes | Windows Studio effects support: Yes | Intel® Thunderbolt 4: Yes | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel Turbo Boost Max Technology 3.0: Yes | Intel® Volume Management Device (VMD): Yes | Direct Media Interface (DMI) Revision: 4.0 | Intel® Speed Shift Technology: Yes | Efficient cores: 12 | Intel® Thread Director: Yes | AI software frameworks supported by NPU: OpenVINO | Performance cores: 8 |

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Mode-based Execute Control (MBE): Yes | Processor codename: Arrow Lake | Memory types supported by processor: DDR5-SDRAM | Thermal Monitoring Technologies: Yes | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | On-board graphics card: No | Processor operating modes: 64-bit | Intel® Secure Key: Yes | Maximum number of PCI Express lanes: 24 | Intel VT-x with Extended Page Tables (EPT): Yes | Processor cache: 30 MB | L2 cache: 36864 KB | PCI Express slots version: 4.0 | Discrete graphics card: No | Processor family: Intel Core Ultra 7 | Intel Trusted Execution Technology: Yes | Memory clock speeds supported by processor: 6400 | Execute Disable Bit: Yes | Enhanced Intel SpeedStep Technology: Yes | Memory channels: Dual-channel | Maximum internal memory supported by processor: 192 GB | Idle States: Yes | On-board graphics card model: Not available | Total processor performance up to: 25 TOPs | Warnings: Avoid shocks and drops so as not to damage delicate components. | Processor manufacturer: Intel | Intel 64: Yes | Launch date: Q1'25 | Warnings: Do not touch the processor pins to avoid electrostatic damage. | Market segment: Desktop | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Maximum internal memory: 192 GB | Warnings: Ensure that the processor is adequately cooled to prevent overheating. | Processor socket: FCLGA1851 | Processor ARK ID: 241064 | Processor cores: 20 | Processor model: 265F | Intel® Turbo Boost Technology: 2.0 | Embedded options available: No | Intel® OS Guard: Yes | Status: Launched | Processor threads: 20 | Supported instruction sets: SSE4.2 | Supported instruction sets: SSE4.1 | Box: Yes | AI software frameworks supported by CPU: Windows ML | 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: AVX 2.0 | Discrete graphics card model: Not available | Intel® Boot Guard: Yes | AI software frameworks supported by CPU: WebNN | Scalability: 1S

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