

Intel Core Ultra 5 250KF Plus processor with 18 cores



Model: BX80768250KF

Manufacturer: INTEL

EAN: 5032037284745

Product Code: 1249695

R5,302

Memory channels: Dual-channel | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® Hyper Threading Technology (Intel® HT Technology): No | Processor manufacturer: Intel | Processor boost frequency: 5.3 GHz | Processor cores: 18 | Idle States: Yes | On-board graphics card model: Not available | Embedded options available: No | Graphics output: n/a | Maximum number of PCI Express lanes: 24 | Intel VT-x with Extended Page Tables (EPT): Yes | Discrete graphics card: No | PCI Express slots version: 4.0 | Intel® Active Management Technology (Intel® AMT): No | Intel® Secure Key: Yes | Processor package size: 45 x 37.5 mm | Intel 64: Yes | Thermal Monitoring Technologies: Yes | Intel® Control-flow Enforcement Technology (CET): Yes | Intel® OS Guard: Yes | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Intel® AES New Instructions (Intel® AES-NI): Yes | Thermal solution specification: PCG 2020A | Processor model: 250KF Plus | Launch date: Q1'26 | Intel® Speed Shift Technology: Yes | Enhanced Intel SpeedStep Technology: Yes | Supported instruction sets: SSE4.2 | Execute Disable Bit: Yes | On-board graphics card: No | Processor ARK ID: 245689 | Market segment: Desktop | Processor codename: Arrow Lake | Processor threads: 18 |

Supported instruction sets: SSE4.1 | Intel® Volume Management Device (VMD): Yes | Discrete

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graphics card model: Not available | Mode-based Execute Control (MBE): Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Maximum internal memory: 256 GB | Intel® Quick Sync Video Technology: No | Intel® Boot Guard: Yes | Memory types supported by processor: DDR5-SDRAM | Processor family: Intel Core Ultra 5 | Intel Trusted Execution Technology: Yes | L2 cache: 30720 KB | Processor cache: 30 MB | Processor operating modes: 64-bit | Performance cores: 6 | Use conditions: PC/Client/Tablet | Performance-core base frequency: 4.2 GHz | Intel® Threat Detection Technology (TDT): Yes | Neural processor unit (NPU): Intel AI Boost | Maximum internal memory supported by processor: 256 GB | Efficient cores: 12 | Intel® Virtualization Technology with Redirect Protection (VT-rp): No | ECC: No | Processor base power: 125 W | Status: Launched | Intel® Thread Director: Yes | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | Intel® Stable IT Platform Program (SIPP): No | NPU performance up to: 13 TOPs | Performance-core boost frequency: 5.3 GHz | Maximum number of DMI lanes: 8 | Intel® One-Click Recovery: No | Processor generation: Intel Core Ultra (Series 2) | Direct Media Interface (DMI) Revision: 4.0 | Intel® Standard Manageability (ISM): Yes | Intel® Thunderbolt 4: Yes | Intel® Remote Platform Erase (RPE): No | AI software frameworks supported by CPU: DirectML | AI software frameworks supported by CPU: ONNX RT | Windows Studio effects support: Yes | AI software frameworks supported by CPU: OpenVINO | Intel® Total Memory Encryption - Multi Key: No | Efficient-core boost frequency: 4.6 GHz | AI software frameworks supported by CPU: Windows ML | AI software frameworks supported by CPU: WebNN | Supported instruction sets: AVX 2.0 | Processor socket: LGA 1851 (Socket V1) | Efficient-core base frequency: 3.3 GHz | Total processor performance up to: 22 TOPs | Sparsity support: Yes | AI software frameworks supported by NPU: WebNN | AI software frameworks supported by NPU: DirectML | AI software frameworks supported by NPU: OpenVINO | AI software frameworks supported by NPU: Windows ML | AI software frameworks supported by NPU: ONNX RT | Maximum turbo power: 159 W

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