

Intel Core Ultra 5 250KF Plus processor with 18 cores



Model: BX80768250KF

Manufacturer: INTEL

EAN: 5032037284745

Product Code: 609610

R5,151

Processor package size: 45 x 37.5 mm | Processor codename: Arrow Lake | Intel® Hyper Threading Technology (Intel® HT Technology): No | Memory types supported by processor: DDR5-SDRAM | Processor cores: 18 | Intel® Quick Sync Video Technology: No | Intel® Boot Guard: Yes | Thermal Monitoring Technologies: Yes | Windows Studio effects support: Yes | Processor family: Intel Core Ultra 5 | Intel® AES New Instructions (Intel® AES-NI): Yes | Processor model: 250KF Plus | Launch date: Q1'26 | Intel 64: Yes | Idle States: Yes | On-board graphics card model: Not available | Discrete graphics card model: Not available | Mode-based Execute Control (MBE): Yes | Processor operating modes: 64-bit | Status: Launched | Intel® Remote Platform Erase (RPE): No | Intel® One-Click Recovery: No | Intel® Thunderbolt 4: Yes | Thermal solution specification: PCG 2020A | Use conditions: PC/Client/Tablet | Processor manufacturer: Intel | Intel® Turbo Boost Technology: 2.0 | Scalability: 1S | Discrete graphics card: No | Processor cache: 30 MB | Intel® Threat Detection Technology (TDT): Yes | Memory channels: Dual-channel | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Performance cores: 6 | On-board graphics card: No | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Direct Media

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Interface (DMI) Revision: 4.0 | Intel® Standard Manageability (ISM): Yes | Intel® Volume Management Device (VMD): Yes | Enhanced Intel SpeedStep Technology: Yes | Processor threads: 18 | Supported instruction sets: SSE4.1 | Processor generation: Intel Core Ultra (Series 2) | Supported instruction sets: SSE4.2 | Supported instruction sets: AVX 2.0 | ECC: No | Intel Trusted Execution Technology: Yes | L2 cache: 30720 KB | Intel® OS Guard: Yes | Processor base power: 125 W | Efficient-core boost frequency: 4.6 GHz | Processor ARK ID: 245689 | Market segment: Desktop | Maximum turbo power: 159 W | Intel® Thread Director: Yes | NPU performance up to: 13 TOPs | Execute Disable Bit: Yes | PCI Express slots version: 4.0 | Intel® Speed Shift Technology: Yes | PCI Express slots version: 5.0 | Processor cache type: Smart Cache | Intel® Active Management Technology (Intel® AMT): No | Performance-core boost frequency: 5.3 GHz | Neural processor unit (NPU): Intel AI Boost | Intel® Control-flow Enforcement Technology (CET): Yes | Performance-core base frequency: 4.2 GHz | Maximum number of DMI lanes: 8 | Maximum internal memory: 256 GB | Efficient cores: 12 | Intel® Virtualization Technology with Redirect Protection (VT-rp): No | Maximum number of PCI Express lanes: 24 | Intel VT-x with Extended Page Tables (EPT): Yes | Intel® Secure Key: Yes | Graphics output: n/a | Maximum internal memory supported by processor: 256 GB | Intel® Stable IT Platform Program (SIPP): No | Processor boost frequency: 5.3 GHz | Embedded options available: No | Efficient-core base frequency: 3.3 GHz | Intel® Total Memory Encryption - Multi Key: No | Processor socket: LGA 1851 (Socket V1) | AI software frameworks supported by NPU: Windows ML | AI software frameworks supported by NPU: DirectML | AI software frameworks supported by NPU: ONNX RT | AI software frameworks supported by NPU: WebNN | AI software frameworks supported by NPU: OpenVINO | AI software frameworks supported by CPU: OpenVINO | AI software frameworks supported by CPU: DirectML | AI software frameworks supported by CPU: ONNX RT | Sparsity support: Yes | AI software frameworks supported by CPU: Windows ML | Total processor performance up to: 22 TOPs | AI software frameworks supported by CPU: WebNN

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