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CPU INTEL Desktop Intel Core Ultra 5 250KF Plus 18xCores Cache 30 MB Socket FCLGA1851 Box BX80768250KFSA4V3

Model: BX80768250KF S A4V3

Manufacturer: INTEL

EAN: 5032037284769

Product Code: 551944

R5,721

Summary: Intel Core Ultra 5 250KF Plus. Processor family: Intel Core Ultra 5, Processor socket: FCLGA1851, Package type: Box. Neural processor unit (NPU): Intel AI Boost, AI software frameworks supported by NPU: DirectML, OpenVINO, Windows ML, ONNX RT, WebNN, Total processor performance up to: 22 TOPs. Memory channels: Dual-channel, Maximum internal memory supported by processor: 256 GB, Memory types supported by processor: DDR5-SDRAM. Market segment: Desktop, Use conditions: PC/Client/Tablet, PCI Express slots version: 4.0, 5.0. Processor package size: 45 x 37.5 mm | Vendor Homepage: https://www.intel.com/content/www/us/en/products/sku/245689/intel-core-ultra-5-processor-250kf-

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plus-30m-cache-up-to-5-30-ghz/ordering.html | Processor manufacturer: Intel | Processor generation: Intel Core Ultra (Series 2) | Processor model: 250KF Plus | Processor family: Intel Core Ultra 5 | Processor cores: 18 | Processor socket: FCLGA1851 | Processor threads: 18 | Processor operating modes: 64-bit | Performance cores: 6 | Efficient cores: 12 | Processor boost frequency: 5.3 | Performance-core boost frequency: 5.3 | Performance-core base frequency: 4.2 | Efficient-core boost frequency: 4.6 | Efficient-core base frequency: 3.3 | Processor cache: 30 | Processor cache type: Smart Cache | Package type: Box | Maximum turbo power: 159 | Processor base power: 125 | AI software frameworks supported by CPU: DirectML/ONNX RT/OpenVINO/WebNN/Windows ML | Maximum number of DMI lanes: 8 | Processor codename: Arrow Lake | Processor ARK ID: 245689 | Neural processor unit (NPU): Intel AI Boost | Sparsity support: Yes | Windows Studio effects support: Yes | AI software frameworks supported by NPU: DirectML/ONNX RT/OpenVINO/WebNN/Windows ML | Total processor performance up to: 22 | NPU performance up to: 13 | Maximum internal memory supported by processor: 256 | Memory types supported by processor: DDR5-SDRAM | Memory channels: Dual-channel | ECC: No | Discrete graphics card: No | On-board graphics card: No | On-board graphics card model: Not available | Discrete graphics card model: Not available | Execute Disable Bit: Yes | Idle States: Yes | Thermal Monitoring Technologies: Yes | Market segment: Desktop | Use conditions: PC/Client/Tablet | Maximum number of PCI Express lanes: 24 | PCI Express slots version: 4.0/5.0 | Supported instruction sets: AVX 2.0/SSE4.1/SSE4.2 | Direct Media Interface (DMI) Revision: 4.0 | Embedded options available: No | Scalability: 1S | Thermal solution specification: PCG 2020A | Enhanced Intel SpeedStep Technology: Yes | Intel Trusted Execution Technology: Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® Hyper Threading Technology (Intel® HT Technology): No | Intel® Quick Sync Video Technology: No | Intel® Speed Shift Technology: Yes | Intel® Turbo Boost Technology: 2.0 | Intel® Thunderbolt 4: Yes | Intel® Control-flow Enforcement Technology (CET): Yes | Intel® Thread Director: Yes | Intel 64: Yes | Intel Virtualization Technology (VT-x): Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel VT-x with Extended Page Tables (EPT): Yes | Intel® Active Management Technology (Intel® AMT): No | Intel® Boot Guard: Yes | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® One-Click Recovery: No | Intel® OS Guard: Yes | Intel® Remote Platform Erase (RPE): No | Intel® Secure Key: Yes | Intel® Stable IT Platform Program (SIPP): No | Intel® Standard Manageability (ISM): Yes | Intel® Virtualization Technology with Redirect Protection (VT-rp): No | Intel® Volume Management Device (VMD): Yes | Mode-based Execute Control (MBE): Yes | Intel® Threat Detection Technology (TDT): Yes | Intel® Total Memory Encryption - Multi Key: No | Maximum operating temperature: 105 | Launch date: Q1'26 | Status: Launched | Processor package size: 45 x 37.5 | Graphics output: n/a | L2 cache: 30720 | Maximum internal memory: 256 | Unit Calculated Weight: 0.108 | Product Net

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Weight: 0.035 | Unit Calculated Volume: 0.000705 | Units per Shipping Box: 5 | Unit Width: 10 | Units per Pallet: 0 | Shipping Box Height: 12 | Unit Depth: 12 | Unit Height: 4.5 | Name: CPU CORE U5-250KF PLUS BOX/3.3G BX80768250KF S A4V3 IN

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