



**CPU INTEL U7-
265KF Intel Core
Ultra Desktop
Intel Core Ultra
7 265KF
20xCores Cache
30 MB Socket
LGA 1851
(Socket V1) Box
BX80768265KFSRQCU**

Model: BX80768265KF S RQCU

Manufacturer: INTEL

EAN: 5032037281997

Product Code: 332884

R6,336

CPU CORE U7-265KF S1851 BOX/3.3G BX80768265KF S RQCU IN

Summary: Intel Core Ultra 7 265KF. Processor family: Intel Core Ultra 7, Processor socket: LGA 1851 (Socket V1), 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 _____

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performance up to: 25 TOPs. Memory channels: Dual-channel, Maximum internal memory supported by processor: 192 GB, Memory types supported by processor: DDR5-SDRAM. Market segment: Desktop, Use conditions: PC/Client/Tablet, PCI Express slots version: 4.0, 5.0. Intel® Turbo Boost Max Technology 3.0 frequency: 5.5 GHz | Vendor Homepage: <https://ark.intel.com/content/www/us/en/ark/products/241062/intel-core-ultra-7-processor-265kf-30m-cache-up-to-5-50-ghz.html> | Processor manufacturer: Intel | Processor generation: Intel Core Ultra (Series 2) | Processor model: 265KF | Processor family: Intel Core Ultra 7 | Processor cores: 20 | Processor socket: LGA 1851 (Socket V1) | Processor threads: 20 | Processor operating modes: 64-bit | Performance cores: 8 | Efficient cores: 12 | Processor boost frequency: 5.5 | Performance-core boost frequency: 5.4 | Performance-core base frequency: 3.9 | Efficient-core boost frequency: 4.6 | Efficient-core base frequency: 3.3 | Processor cache: 30 | Processor cache type: Smart Cache | Package type: Box | Cooler included: No | Maximum turbo power: 250 | Processor base power: 125 | AI software frameworks supported by CPU: DirectML/ONNX RT/OpenVINO/WebNN/Windows ML | Stepping: B0 | Maximum number of DMI lanes: 8 | Processor codename: Arrow Lake | Processor ARK ID: 241062 | 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: 25 | NPU performance up to: 13 | Maximum internal memory supported by processor: 192 | Memory types supported by processor: DDR5-SDRAM | Memory clock speeds supported by processor: 6400 | Memory channels: Dual-channel | 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 | Export Control Classification Number (ECCN): 5A992C | Commodity Classification Automated Tracking System (CCATS): 740.17B1 | Enhanced Intel SpeedStep Technology: Yes | Intel Trusted Execution Technology: Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® Speed Shift Technology: Yes | Intel® Turbo Boost Technology: 2.0 | Intel® Turbo Boost Max Technology 3.0 frequency: 5.5 | Intel® Thunderbolt 4: Yes | Intel® Control-flow Enforcement Technology (CET): Yes | Intel® Thread Director: Yes | Intel 64: Yes | Intel Turbo Boost Max Technology 3.0: 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® Boot Guard: Yes | Intel® Deep Learning Boost (Intel® DL

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Boost) on CPU: Yes | Intel® OS Guard: Yes | Intel® Secure Key: Yes | Intel® Standard Manageability (ISM): Yes | Intel® Volume Management Device (VMD): Yes | Mode-based Execute Control (MBE): Yes | Maximum operating temperature: 105 | Launch date: Q4'24 | Memory speed (max): 6400 | Status: Launched | Harmonized System (HS) code: 8542310050 | L2 cache: 36864 | Maximum internal memory: 192 | Unit Calculated Weight: 0.102 | Product Net Weight: 0.03 | Unit Calculated Volume: 0.0006624 | Units per Shipping Box: 5 | Unit Width: 4.5 | Shipping Box Height: 11.5 | Unit Depth: 10 | Unit Height: 11.5 | Name: CPU CORE U7-265KF S1851 BOX/3.3G BX80768265KF S RQCU IN | CPU Family name: Intel Core Ultra | Model number: U7-265KF

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