CPU INTEL Desktop Intel Core Ultra 225 Arrow Lake 3300 MHz Cores 10 Socket LGA1851 65 Watts BOX BX80768225SRQCZ

Model: BX80768225 S RQCZ

Manufacturer: INTEL

EAN: 5032037282352

Product Code: 551006

R4,658

The latest Intel® Core™ Ultra processors (Series 2) enable you to use the most AI experiences across desktop, mobile and edge—making everything you do easier, faster, and better. Summary: Intel Core Ultra 5 225. Processor family: Intel Core Ultra 5, 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 performance up to: 23 TOPs. Memory channels: Dual-channel, Maximum internal memory supported by processor: 192 GB, Memory types supported by processor: DDR5-SDRAM. On-board graphics card

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model: Intel Graphics, On-board graphics card outputs supported: HDMI 2.1, Embedded DisplayPort (eDP) 1.4b, DisplayPort 2.1, On-board graphics card base frequency: 300 MHz. Market segment: Desktop, Use conditions: PC/Client/Tablet, PCI Express slots version: 4.0, 5.0 | Vendor Homepage: https://www.intel.com/content/www/us/en/products/sku/241070/intel-core-ultra-5-processor-225-20m-cache-up-to-4-90-ghz/specifications.html | Processor manufacturer: Intel | Processor generation: Intel Core Ultra (Series 2) | Processor model: 225 | Processor family: Intel Core Ultra 5 | Processor cores: 10 | Processor socket: LGA 1851 (Socket V1) | Processor threads: 10 | Processor operating modes: 64-bit | Performance cores: 6 | Efficient cores: 4 | Processor boost frequency: 4.9 | Performance-core boost frequency: 4.9 | Performance-core base frequency: 3.3 | Efficient-core boost frequency: 4.4 | Efficient-core base frequency: 2.7 | Processor cache: 20 | Processor cache type: Smart Cache | Package type: Box | Maximum turbo power: 121 | Processor base power: 65 | 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: 241070 | 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: 23 | NPU performance up to: 13 | GPU performance up to: 4 | 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: Yes | On-board graphics card model: Intel® Graphics | On-board graphics card outputs supported: DisplayPort 2.1/Embedded DisplayPort (eDP) 1.4b/HDMI 2.1 | On-board graphics card base frequency: 300 | On-board graphics card dynamic frequency (max): 1800 | Number of displays supported (on-board graphics): 4 | On-board graphics card DirectX version: 12.0 | On-board graphics card OpenGL version: 4.5 | On-board graphics card refresh rate at maximum resolution (DisplayPort): 60 | On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel): 60 | On-board graphics card refresh rate at maximum resolution (HDMI): 60 | On-board graphics card ID: 0x7D67 | Discrete graphics card model: Not available | Xe-cores: 2 | 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: Yes | Scalability: 1S | Enhanced Intel SpeedStep Technology: Yes | Intel Trusted Execution Technology: Yes | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® Quick Sync Video Technology: Yes | Intel® Speed Shift Technology: Yes | Intel® Turbo Boost Technology: 2.0 | Intel® Thunderbolt 4: Yes

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| 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® Boot Guard: Yes | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® Deep Learning Boost (Intel® DL Boost) on GPU: 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 | OpenCL version: 3.0 | Launch date: Q1'25 | Status: Launched | Graphics output: DP2.1 UHBR20, HDM2.1 FRL 12GHz, eDP1.4b | L2 cache: 22528 | Maximum internal memory: 192 | Unit Calculated Weight: 0.5 | Product Net Weight: 0.03 | Unit Calculated Volume: 0.001312 | Units per Shipping Box: 5 | Unit Width: 8 | Units per Pallet: 0 | Shipping Box Height: 12 | Unit Depth: 12 | Unit Height: 11 | Name: CPU CORE U5-225 S1851 BOX/3.3G BX80768225 S RQCZ IN | CPU Family name: Intel Core Ultra | Model number: 225

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