



Processors

INTEL Core Ultra 7 265KF 5.5GHz (20 Cores, 30MB Cache) for FCLGA1851 Socket, Boxed CPU



Modelis: BX80768265KF

Gamintojas: INTEL

EAN: 5032037281980

Prekės kodas: 365449

307.99€

INTEL Core Ultra 7 265KF Processor: Next-Generation Performance

The Intel Core Ultra 7 265KF processor delivers exceptional power and efficiency for demanding computing tasks, gaming, and content creation. Built on the revolutionary Intel architecture, this 20-

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core processor operates at a base frequency of 3.9 GHz (P-core) and can achieve a phenomenal Max Turbo Speed of 5.5 GHz, ensuring rapid responsiveness even under heavy workloads. Its support for the FCLGA1851 Socket makes it ideal for modern, high-performance desktop systems.

Accelerated Intelligence and Efficiency

Equipped with a massive 30 MB Intel Smart Cache, the Core Ultra 7 265KF efficiently manages data flow, dramatically reducing latency. A defining feature is the integrated Neural Processor Unit (NPU), branded as **Intel AI Boost**, which includes Intel Gaussian and Neural Accelerator 3.5. This dedicated hardware accelerates artificial intelligence and machine learning applications, enhancing productivity in tasks ranging from data analysis to content rendering.

Furthermore, Intel Deep Learning Boost (DL Boost) and Advanced Vector Extensions 2 (AVX2.0) provide significant uplift to vector processing workloads, crucial for scientific modeling and professional creative software.

Key Performance and Security Features:

- **Hybrid Architecture & Speed:** Features 20 Cores/20 Threads with P-cores reaching 5.5 GHz Max Turbo Speed and enhanced efficiency cores (E-cores) reaching 4.6 GHz Max Turbo Speed.
- **Advanced Caching:** 30 MB Intel Smart Cache ensures quick access to frequently used data.
- **AI Acceleration:** Integrated Intel AI Boost (NPU) and DL Boost streamline AI-driven workflows.
- **Enhanced Virtualization:** Intel Virtualization Technology (VT-x) and Directed I/O (VT-d) provide robust resource management and security for virtual environments.
- **Platform Security:** Comprehensive protection including Intel Secure Key, Intel Boot Guard, and Intel OS Guard safeguards the system integrity from startup.
- **Optimized Management:** Includes Intel Thread Director for intelligent workload distribution and Intel Turbo Boost Max Technology 3.0 for maximizing single-thread performance.
- **Thermal Management:** Thermal Monitoring Technologies coupled with Enhanced SpeedStep technology ensure stable operation and efficient power consumption.

The Intel Core Ultra 7 265KF is engineered for users who demand uncompromised speed, cutting-edge security, and integrated intelligence capabilities for their high-performance computing needs.

INTEL is a global leader in silicon innovation, designing and manufacturing essential technologies that serve as the foundation for the world's computing devices. Their processors are renowned for

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reliability, performance, and leading-edge technology standards.

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The Intel Core Ultra 7 processor integrates advanced technologies to enhance performance and security. With Smart Cache technology, it efficiently manages data for faster processing speeds. Features like Intel Quick Sync Video facilitate seamless multimedia experiences, while support for virtualization ensures optimal resource management. Built with numerous security features such as Intel Secure Key and Intel Boot Guard, this processor provides protection against threats. Designed for high-performance computing, it includes Intel Advanced Vector Extensions 2 (AVX2.0) and Intel Deep Learning Boost (DL Boost) to accelerate workloads, from data analysis to AI applications. This processor is a reliable choice for users seeking improved performance and security in their computing tasks.

Product Description: Intel Core Ultra 7 265KF / 3.9 GHz processor - Box | Product Type: Processor | Processor Type: Intel Core Ultra 7 265KF (Series 2) | Number of Cores: 20-core / 20 threads | Cache: 30 MB | Compatible Processor Socket: FCLGA1851 Socket | Processor Qty: 1 | Clock Speed: 3.9 GHz (P-core) / 3.3 GHz (E-core) | Max Turbo Speed: 5.5 GHz (P-core) / 4.6 GHz (E-core) | Features: Enhanced SpeedStep technology, Execute Disable Bit capability, Intel 64 Technology, Intel Trusted Execution Technology, Thermal Monitoring Technologies, Intel Virtualization Technology for Directed I/O (VT-d), Intel Smart Cache, Idle States, Intel VT-x with Extended Page Tables (EPT), Intel Secure Key, Intel Advanced Vector Extensions 2 (AVX2.0), Intel OS Guard, Intel Turbo Boost Max Technology 3.0, Intel Speed Shift Technology, Intel Volume Management Device (VMD), Intel Boot Guard, Intel Deep Learning Boost (DL Boost), Intel Control-Flow Enforcement Technology, Intel Thread Director, Instruction Set 64-bit, Intel SSE4.1, Intel SSE4.2, Intel Stable IT Platform Program (SIPP), Intel Standard Manageability (ISM), Mode-based Execute Control (MBEC), Intel Virtualization Technology for Directed (VT-x), Intel Gaussian and Neural Accelerator 3.5 | Neural Processor Unit (NPU): Intel AI Boost | Manufacturer Warranty: 3-year warranty

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