

Processors Intel Core i7-14700F 2.1GHz (Max 5.4GHz) 20 Core/28 Thread LGA1700 CPU, Boxed



Modelis: BX8071514700F

Gamintojas: INTEL

EAN: 5032037279246

Prekės kodas: 406159

379.99€

Intel Core i7-14700F Processor (14th Gen) - Power for High-End Desktops

The Intel Core i7-14700F (14th Gen) processor is engineered to deliver exceptional performance for demanding tasks, high-end gaming, and professional productivity. Featuring Intel's cutting-edge hybrid architecture, this CPU combines high clock speeds with powerful multi-core efficiency, making it the perfect foundation for PCs utilizing discrete graphics cards and requiring robust AI acceleration

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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capabilities.

Unmatched Hybrid Performance

Built on the efficient 7 nm manufacturing process, the i7-14700F features a massive configuration of 20 cores (P-cores and E-cores) and 28 threads. The Performance-cores run at a base clock of 2.1 GHz and can turbo up to an astonishing 5.4 GHz, while the Efficiency-cores clock in at 1.5 GHz base and 4.2 GHz turbo. This powerful setup is managed by the Intel Thread Director, ensuring optimal task distribution for maximum responsiveness and seamless multitasking efficiency.

Key Specifications and Technologies:

- **Massive Core Count:** 20 Cores (Hybrid Architecture) / 28 Threads providing immense multitasking capability.
- **High Clock Speed:** Max Turbo Speed up to 5.4 GHz (P-core) and 4.2 GHz (E-core).
- **Cache Size:** Generous 33 MB total cache for faster data access and improved performance consistency.
- **Optimized Performance:** Features Intel Turbo Boost Technology 2.0 and Intel Turbo Boost Max Technology 3.0, which optimizes performance by identifying and accelerating the fastest P-cores.
- **AI Acceleration:** Integrated Intel Gaussian and Neural Accelerator 3.0 (GNA 3.0) and Deep Learning Boost (DL Boost) for accelerating AI workloads and enhancing video processing.
- **Advanced Security:** Includes Intel AES New Instructions (AES-NI), Secure Key, Intel OS Guard, and Intel Trusted Execution Technology for enhanced system integrity and data protection.
- **Virtualization Ready:** Supports Intel Virtualization Technology (VT-x) and Intel Virtualization Technology for Directed I/O (VT-d) for secure and efficient virtual environments.
- **Socket:** Compatible with FCLGA1700 socket.

Intel is the world leader in semiconductor manufacturing, renowned for pioneering CPU technology that defines modern computing standards across servers, desktops, and mobile platforms.

Order the Intel Core i7-14700F today from ++SHOP++ and experience the next generation of computing power tailored for high-performance systems.

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These processors power high-end PCs with excellent CPU performance for discrete-level graphics, and AI acceleration.

Product Description: Intel Core i7 i7-14700F / 2.1 GHz processor - Box | Product Type: Processor | Processor Type: Intel Core i7 i7-14700F (14th Gen) | Number of Cores: 20-core / 28 threads | Cache: 33 MB | Compatible Processor Socket: FCLGA1700 Socket | Processor Qty: 1 | Clock Speed: 2.1 GHz (P-core) / 1.5 GHz (E-core) | Max Turbo Speed: 5.4 GHz (P-core) / 4.2 GHz (E-core) | Manufacturing Process: 7 nm | Features: Intel Gaussian and Neural Accelerator 3.0, Intel Thread Director, Intel Deep Learning Boost (DL Boost), Intel Speed Shift Technology, Intel Turbo Boost Max Technology 3.0, Intel Turbo Boost Technology 2.0, Hyper-Threading Technology, Intel 64 Technology, Instruction Set 64-bit, streaming SIMD extensions 4.1, streaming SIMD extensions 4.2, Intel Advanced Vector Extensions 2 (AVX2.0), Idle States, Enhanced SpeedStep technology, Thermal Monitoring Technologies, Intel Volume Management Device (VMD), Intel Standard Manageability (ISM), Intel Control-Flow Enforcement Technology, Intel AES New Instructions (AES-NI), Intel Secure Key, Intel OS Guard, Intel Trusted Execution Technology, Execute Disable Bit capability, Intel Boot Guard, Mode-based Execute Control (MBEC), Intel Virtualization Technology, Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT) | Manufacturer Warranty: 3-year warranty

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