# Intel Xeon Silver 4510 processor 2.4 GHz 30 MB

Model: PK8071305554300

Manufacturer: INTEL

Product Code: 1744415

## R18,950

Warnings: Do not disassemble the processor or attempt to repair it yourself. | Warnings: Avoid direct contact with water and high humidity. | Intel® Trust Domain Extensions (Intel® TDX): Yes | Warnings: The product should be used in accordance with the manufacturer's instructions to avoid damage. | Box: No | Intel® Boot Guard: Yes | AVX-512 Fused Multiply-Add (FMA) units: 2 | Launch date: Q4'23 | Intel® Speed Shift Technology: Yes | Intel Software Guard Extensions (Intel SGX): Yes | Market segment: Server | Intel® QuickAssist Software Acceleration: Yes | Intel® Total Memory Encryption: Yes | Servicing status: Baseline Servicing | Intel® Control-flow Enforcement Technology (CET): Yes | Use conditions: Server/Enterprise | Processor base frequency: 2.4 GHz | Package carrier: E1B | Intel® Data Streaming Accelerator (DSA): 1 default devices | Intel® Transactional Synchronization Extensions: Yes | Maximum Enclave Size Support for Intel® SGX: 64 GB | Intel® Platform Firmware Resilience Support: Yes | DTS Max: 102 °C | Processor generation: Intel Xeon Scalable 5th Gen | Intel® Total Memory Encryption - Multi Key: Yes | Intel® Advanced Matrix Extensions (AMX): Yes | Intel® Crypto Acceleration: Yes | Intel® UPI Speed: 16 GT/s | Intel® On Demand Feature Activation: Yes | Intel® Resource Director Technology (Intel® RDT): Yes | Intel® Volume Management Device (VMD): Yes | Mode-based Execute Control (MBE): Yes | Number of UPI links: 2 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Status: Launched | Intel® OS

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Guard: Yes | Maximum internal memory supported by processor: 4 TB | Processor cache: 30 MB | Maximum number of PCI Express lanes: 80 | Processor manufacturer: Intel | Discrete graphics card model: Not available | ECC: Yes | On-board graphics card: No | Scalability: 2S | Processor family: Intel Xeon Silver | Memory types supported by processor: DDR5-SDRAM | Supported instruction sets: SSE4.2 | Embedded options available: Yes | Supported instruction sets: AVX-512 | Maximum internal memory: 4 TB | Intel® AES New Instructions (Intel® AES-NI): Yes | Memory channels: Octa-channel | Intel 64: Yes | Intel® Turbo Boost Technology: 2.0 | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Tcase: 84 °C | Processor codename: Sapphire Rapids | Supported instruction sets: AVX | Execute Disable Bit: Yes | Processor boost frequency: 4.1 GHz | Processor operating modes: 64-bit | Processor ARK ID: 236637 | PCI Express slots version: 5.0 | Discrete graphics card: No | On-board graphics card model: Not available | Processor threads: 24 | Intel VT-x with Extended Page Tables (EPT): Yes | Memory clock speeds supported by processor: 4400 MHz | Processor cores: 12 | Processor model: 4510 | Processor socket: LGA 4677 (Socket E) | Supported instruction sets: AVX 2.0 | Intel Trusted Execution Technology: Yes | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Thermal Design Power (TDP): 150 W | Supported instruction sets: AMX

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