

Intel Xeon Silver 4416+ processor 2 GHz 37.5 MB Tray



Model: PK8071305120201

Manufacturer: INTEL

Product Code: 1249709

R38,285

Memory speed (max): 4000 MHz | Discrete graphics card model: Not available | Mode-based Execute Control (MBE): Yes | Processor codename: Sapphire Rapids | PCI Express slots version: 5.0 | Intel Software Guard Extensions (Intel SGX): Yes | Maximum number of PCI Express lanes: 80 | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | On-board graphics card: No | Intel® Optane™ DC Persistent Memory Supported: Yes | Processor cores: 20 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® Crypto Acceleration: Yes | Intel® OS Guard: Yes | Intel® Turbo Boost Technology: 2.0 | Memory channels: Octa-channel | Intel® Boot Guard: Yes | Processor package size: 77.5 x 56.5 mm | Intel® AES New Instructions (Intel® AES-NI): Yes | Supported instruction sets: SSE4.2 | Intel® Data Streaming Accelerator (DSA): 1 default devices | Processor base frequency: 2 GHz | Harmonized System (HS) code: 8542310001 | Processor socket: LGA 4677 (Socket E) | Supported instruction sets: AVX-512 | Export Control Classification Number (ECCN): 5A992C | Intel® QuickAssist Technology (QAT): 1 default devices | Stepping: S3 | Supported instruction sets: AMX | Supported memory types: DDR5-SDRAM | Status: Launched | Processor threads: 40 | Intel® Transactional Synchronization Extensions: Yes | Maximum internal memory supported by processor: 6 TB | Memory types supported by processor: DDR4-SDRAM | Processor

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family: Intel Xeon Silver | Processor cache: 37.5 MB | Discrete graphics card: No | Intel® Resource Director Technology (Intel® RDT): Yes | Package carrier: E1B | Intel Virtualization Technology for Directed I/O (VT-d): Yes | Intel Virtualization Technology (VT-x): Yes | Maximum Enclave Size Support for Intel® SGX: 64 GB | ECC: Yes | Number of UPI links: 2 | Tcase: 82 °C | AVX-512 Fused Multiply-Add (FMA) units: 2 | Launch date: Q1'23 | Use conditions: Server/Enterprise | Intel Trusted Execution Technology: Yes | Supported instruction sets: AVX 2.0 | DTS Max: 94 °C | Intel VT-x with Extended Page Tables (EPT): Yes | Thermal Design Power (TDP): 165 W | On-board graphics card model: Not available | Processor model: 4416+ | Processor ARK ID: 232378 | System bus rate: 16 GT/s | Supported instruction sets: AVX | Scalability: 2S | Maximum internal memory: 4 TB | Market segment: Server | Processor generation: Intel Xeon Scalable 4th Gen | Processor manufacturer: Intel | Intel® Control-flow Enforcement Technology (CET): Yes | Intel 64: Yes | Commodity Classification Automated Tracking System (CCATS): G180729 | Embedded options available: Yes | Intel® On Demand Feature Activation: Yes | Intel® Total Memory Encryption: Yes | Intel® Advanced Matrix Extensions (AMX): Yes | Intel® Speed Shift Technology: Yes | Intel® Platform Firmware Resilience Support: Yes | Processor boost frequency: 3.9 GHz | Execute Disable Bit: Yes | Intel® Dynamic Load Balancer (DLB): 1 default devices | Warnings: Do not disassemble the processor or attempt to repair it yourself. | Warnings: Avoid direct contact with water and high humidity. | Intel® In-memory Analytics Accelerator (IAA): 1 default devices | Intel® QuickAssist Software Acceleration: Yes | Warnings: The product should be used in accordance with the manufacturer's instructions to avoid damage.

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