

**Intel Xeon 6,
6511P (16C/32T)
2.3GHz (4.2GHz
Turbo)
processor,
Socket LGA4710
TDP 150W Tray**



Model: PK8072006398801

Manufacturer: INTEL

Product Code: 1249713

R25,674

Tcase: 83 °C | Processor model: 6511P | Intel® Boot Guard: Yes | Processor cores: 16 | Intel® Volume Management Device (VMD): Yes | Intel® Hyper Threading Technology (Intel® HT Technology): Yes | Processor package size: 77.5 x 56.5 mm | Intel® AES New Instructions (Intel® AES-NI): Yes | Intel® OS Guard: Yes | Processor codename: Granite Rapids | Package carrier: E2B | Maximum Enclave Size Support for Intel® SGX: 128 GB | Supported instruction sets: AMX | Processor operating modes: 64-bit | Intel® Deep Learning Boost (Intel® DL Boost) on CPU: Yes | Intel® Crypto Acceleration: Yes | Supported instruction sets: SSE4.2 | PCI Express slots version: 5.0 | Maximum number of PCI Express lanes: 136 | Processor base frequency: 2.3 GHz | Memory channels: Octa-channel | Maximum internal memory: 4 TB | Intel® Turbo Boost Technology: 2.0 | Memory speed (max): 6400 MHz | Supported instruction sets: AVX-512 | Intel Virtualization Technology for Directed

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I/O (VT-d): Yes | Processor boost frequency: 4.2 GHz | Supported instruction sets: AVX 2.0 |
Supported instruction sets: AVX | Processor manufacturer: Intel | Processor threads: 32 | Status:
Launched | Intel 64: Yes | Launch date: Q1'25 | AVX-512 Fused Multiply-Add (FMA) units: 2 | Intel®
Resource Director Technology (Intel® RDT): Yes | Intel® Total Memory Encryption: Yes | Processor
family: Intel® Xeon® | Memory types supported by processor: DDR5-SDRAM | Intel® Run Sure
Technology: Yes | ECC: Yes | Maximum internal memory supported by processor: 4 TB | Processor
cache: 72 MB | Intel VT-x with Extended Page Tables (EPT): Yes | DTS Max: 98 °C | Intel® In-memory
Analytics Accelerator (IAA): 2 default devices | Intel® Speed Shift Technology: Yes | Intel® Platform
Firmware Resilience Support: Yes | Intel Trusted Execution Technology: Yes | Intel Virtualization
Technology (VT-x): Yes | Memory clock speeds supported by processor: 6400 | Intel Software Guard
Extensions (Intel SGX): Yes | Intel® Control-flow Enforcement Technology (CET): Yes | Thermal
Design Power (TDP): 150 W | Execute Disable Bit: Yes | Intel® Secure Key: Yes | Intel® QuickAssist
Software Acceleration: Yes | Market segment: Server | Intel® Speed Select Technology – Turbo
Frequency: No | Processor socket: FCLGA 4710 | Intel® Speed Select Technology – Core Power: Yes |
Intel® QuickAssist Technology (QAT): 2 default devices | Intel® Trust Domain Extensions (Intel®
TDX): Yes | Intel® Total Memory Encryption - Multi Key: Yes | All core Turbo frequency: 4.1 GHz |
Intel® Data Streaming Accelerator (DSA): 2 default devices | Intel® Dynamic Load Balancer (DLB): 2
default devices | Intel® Advanced Matrix Extensions (AMX): Yes

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