



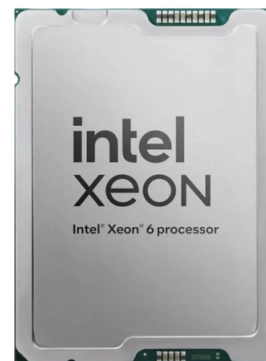
Lenovo Intel Xeon 6505P processor 2.2 GHz 48 MB L3

Brand : Lenovo

Product code: 4XG7B04167

Product name : Intel Xeon 6505P

ThinkSystem SR630 V4 Intel Xeon 6505P 12C 150W 2.2GHz Processor w/o fan
Lenovo Intel Xeon 6505P. Processor family: Intel® Xeon®, Processor socket: LGA 4710, Processor manufacturer: Intel. Memory channels: Octa-channel, Maximum internal memory supported by processor: 4 TB, Memory types supported by processor: DDR5-SDRAM. Scalability: 2S



Processor		Processor special features	
Processor manufacturer *	Intel	Intel Trusted Execution Technology	✓
Processor model *	6505P	Intel® Speed Shift Technology	✓
Processor base frequency *	2.2 GHz	Intel® Transactional Synchronization Extensions	✓
Processor family *	Intel® Xeon®	Intel® Total Memory Encryption	✓
Processor cores *	12	Intel® Control-flow Enforcement Technology (CET)	✓
Processor socket *	LGA 4710	Intel® Crypto Acceleration	✓
Processor threads	24	Intel® Platform Firmware Resilience Support	✓
Processor operating modes *	64-bit	Intel® Trust Domain Extensions (Intel® TDX)	✓
Processor boost frequency	3.9 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache	48 MB	Intel® Secure Key	✓
Processor cache type	L3	Intel QuickAssist Technology	✓
Thermal Design Power (TDP)	150 W	Intel Software Guard Extensions (Intel SGX)	✓
Cooler included *	✗	Intel 64	✓
Memory		Intel Virtualization Technology (VT-x)	✓
Maximum internal memory supported by processor	4 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory types supported by processor	DDR5-SDRAM	Intel® Boot Guard	✓
Memory clock speeds supported by processor	6400 MHz	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Memory channels *	Octa-channel	Intel® Resource Director Technology (Intel® RDT)	✓
ECC	✓	Intel® Volume Management Device (VMD)	✓
Graphics		Intel® Run Sure Technology	✓
On-board graphics card *	✗	Mode-based Execute Control (MBE)	✓
Discrete graphics card *	✗	Intel® Total Memory Encryption - Multi Key	✓
On-board graphics card model *	Not available	Intel® QuickAssist Software Acceleration	✓
Discrete graphics card model *	Not available	Intel® Advanced Matrix Extensions (AMX)	✓
Features		Processor special features	
Execute Disable Bit	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Maximum number of PCI Express lanes	88		
PCI Express slots version	5.0		
Scalability	2S		

Processor special features

Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	✓



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