



Lenovo Intel Xeon Gold 6226R processor 2.9 GHz 22 MB

Brand : Lenovo

Product code: 4XG7A63081

Product name : Intel Xeon Gold 6226R

Intel Xeon Gold 6226R Processor 22M Cache, 2.90 GHz, f/ ThinkSystem SD530

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ThinkSystem servers incorporate Intel Xeon Scalable Family processors to enable critical business workloads and applications. The Intel scalable design provides significant improvement in performance, advanced reliability, scalability and hardware-enhanced security. Enhancements include higher per-core performance, greater memory bandwidth, expanded I/O, and improved security. This page allows you compare the features of the processors.

Lenovo Intel Xeon Gold 6226R. Processor family: Intel® Xeon® Gold, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 1 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX, AVX 2.0, AVX-512, SSE4.2, Scalability: 2S



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	2.0
Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor model *	6226R	Enhanced Intel SpeedStep Technology	✓
Processor base frequency *	2.9 GHz	Intel Trusted Execution Technology	✓
Processor family *	Intel® Xeon® Gold	Intel HD Boost	✗
Processor cores *	16	Intel® Speed Shift Technology	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Transactional Synchronization Extensions	✓
Processor lithography *	14 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	32	Intel 64	✓
Processor operating modes *	64-bit	Intel Virtualization Technology (VT-x)	✓
Processor boost frequency	3.9 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache	22 MB	Intel Turbo Boost Max Technology 3.0	✗
Thermal Design Power (TDP)	150 W	AVX-512 Fused Multiply-Add (FMA) units	2
Processor codename	Cascade Lake	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Memory		Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Maximum internal memory supported by processor	1 TB	Intel® Resource Director Technology (Intel® RDT)	✓
Memory types supported by processor	DDR4-SDRAM	Intel® Volume Management Device (VMD)	✓
Memory clock speeds supported by processor	2933 MHz	Intel® Run Sure Technology	✓
Memory channels *	Hexa-channel	Mode-based Execute Control (MBE)	✓
ECC	✓	Intel® Optane™ DC Persistent Memory Supported	✓
Graphics		Intel® vPro™ Platform Eligibility	✓
On-board graphics card *	✗	Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
Discrete graphics card *	✗	Operational conditions	
On-board graphics card model *	Not available	Tcase	85 °C
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		
Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2		
Scalability	2S		
Embedded options available	✓		

Features

PCI Express CEM revision 3.0

Processor special features

Intel® Hyper Threading Technology (Intel® HT Technology) 

Catalog Object Cloud



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