



Lenovo Intel Xeon Gold 6226R processor 2.9 GHz 22 MB

Brand : Lenovo

Product code: 4XG7A37076

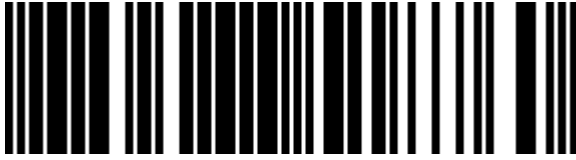
Product name : Intel Xeon Gold 6226R

Intel Xeon Gold 6226R, 22M Cache, 2.90 GHz

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 package size: 76 x 56.5 mm. Compatibility: ThinkSystem SN550



Processor		Features	
Processor generation	2nd Generation Intel® Xeon® Scalable	Embedded options available	✓
Processor model *	6226R	Processor special features	
Processor base frequency *	2.9 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Xeon® Gold	Intel® Turbo Boost Technology	2.0
Processor cores *	16	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 3647 (Socket P)	Intel Trusted Execution Technology	✓
Component for	Server/workstation	Intel® Speed Shift Technology	✓
Processor lithography *	14 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	32	Intel Virtualization Technology (VT-x)	✓
Processor operating modes *	64-bit	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor boost frequency	3.9 GHz	Intel Turbo Boost Max Technology 3.0	✗
Processor cache	22 MB	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Thermal Design Power (TDP)	150 W	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Bus type	UPI	Intel® Volume Management Device (VMD)	✓
Number of QPI links	2	Intel® Optane™ DC Persistent Memory Supported	✓
Processor codename	Cascade Lake	Intel® vPro™ Platform Eligibility	✓
Memory		Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
Maximum internal memory supported by processor	1 TB	Operational conditions	
Memory types supported by processor	DDR4-SDRAM	Tcase	85 °C
Memory clock speeds supported by processor	2933 MHz	Weight & dimensions	
Memory channels *	Hexa-channel	Processor package size	76 x 56.5 mm
ECC	✓	Other features	
Graphics		Compatibility	ThinkSystem SN550
On-board graphics card *	✗	Features	
Discrete graphics card *	✗	Execute Disable Bit	✓
On-board graphics card model *	Not available	Market segment	Server
Discrete graphics card model *	Not available	Maximum number of PCI Express lanes	48
Features		PCI Express slots version	3.0
Execute Disable Bit	✓	Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
Market segment	Server	Scalability	2S
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		



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