

Intel Xeon 6226R processor 2.9 GHz 22 MB

Brand : Intel

Product family: Xeon

Product code:
CD8069504449000

Product name : 6226R

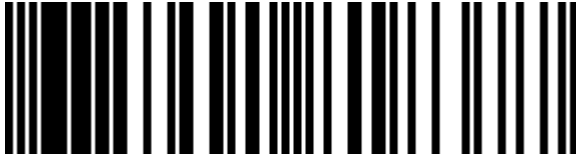
Intel® Xeon® Gold 6226R Processor (22M Cache, 2.90 GHz)

Intel Xeon 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: 1.02 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: SSE4.2, AVX, AVX 2.0, AVX-512, Scalability: 2S. Package type: Retail box. Processor package size: 76mm x 56.5mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel Trusted Execution Technology	✓
Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® Speed Shift Technology	✓
Processor model *	6226R	Intel® Transactional Synchronization Extensions	✓
Processor base frequency *	2.9 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Processor family *	Intel® Xeon® Gold	Intel 64	✓
Processor cores *	16	Intel Virtualization Technology (VT-x)	✓
Processor socket *	LGA 3647 (Socket P)	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Component for	Server/workstation	Intel Turbo Boost Max Technology 3.0	✗
Processor lithography *	14 nm	AVX-512 Fused Multiply-Add (FMA) units	2
Processor threads	32	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Processor operating modes *	64-bit	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Processor boost frequency	3.9 GHz	Intel® Resource Director Technology (Intel® RDT)	✓
Processor cache	22 MB	Intel® Volume Management Device (VMD)	✓
Thermal Design Power (TDP)	150 W	Intel® Run Sure Technology	✓
Box *	✗	Mode-based Execute Control (MBE)	✓
Cooler included *	✗	Intel® Optane™ DC Persistent Memory Supported	✓
Processor codename	Cascade Lake	Intel® vPro™ Platform Eligibility	✓
Processor ARK ID	199347	Intel Speed Select Technology (SST)	✗
Memory		Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
Maximum internal memory supported by processor	1.02 TB	Intel® Optane™ DC Persistent Memory technology	✓
Memory types supported by processor	DDR4-SDRAM	Operational conditions	
Memory clock speeds supported by processor	2933 MHz	Tcase	85 °C
Memory channels *	Hexa-channel	Technical details	
ECC	✓	Launch date	Q1'20
Graphics		Product type	Processor
On-board graphics card *	✗	Status	Launched
Discrete graphics card *	✗	Supported memory types	DDR4-SDRAM
On-board graphics card model *	Not available	Memory speed (max)	2933 MHz
Discrete graphics card model *	Not available	Number of UPI links	2
Features		Servicing status	Baseline Servicing
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512		
Scalability	2S		
Embedded options available	✓		

Features		Logistics data	
PCI Express CEM revision	3.0	Harmonized System (HS) code	85423119
Export Control Classification Number (ECCN)	5A992C	Packaging data	
Commodity Classification Automated Tracking System (CCATS)	G077159	Package type	Retail box
Processor special features		Weight & dimensions	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Processor package size	76mm x 56.5mm
Intel® Turbo Boost Technology	2.0	Other features	
Intel® AES New Instructions (Intel® AES-NI)	✓	Maximum internal memory	1 TB
Enhanced Intel SpeedStep Technology	✓		



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