

Intel Xeon W-2225 processor 4.1 GHz 8.25 MB

Brand : Intel

Product family: Xeon

Product code:
CD8069504394102

Product name : W-2225

Intel Xeon W-2225 Processor (8.25MB Cache, up to 4.6 GHz)

Intel Xeon W-2225. Processor family: Intel Xeon W, Processor socket: LGA 2066 (Socket R4), Processor lithography: 14 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 1.02 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Workstation, PCI Express configurations: 1x4, 1x8, 1x16, Supported instruction sets: SSE4.2, AVX, AVX 2.0, AVX-512. Processor package size: 45mm x 52.5mm. Maximum internal memory: 1 TB



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	W-2225	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor base frequency *	4.1 GHz	Intel® Turbo Boost Technology	2.0
Processor family *	Intel Xeon W	Intel Flex Memory Access	✗
Processor cores *	4	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 2066 (Socket R4)	Enhanced Intel SpeedStep Technology	✓
Component for	Server/workstation	Intel Trusted Execution Technology	✓
Processor lithography *	14 nm	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor threads	8	Intel® Speed Shift Technology	✓
System bus rate	8 GT/s	Intel® Transactional Synchronization Extensions	✓
Processor operating modes *	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor boost frequency	4.6 GHz	Intel Demand Based Switching	✓
Processor cache	8.25 MB	Intel® Secure Key	✓
Thermal Design Power (TDP)	105 W	Intel TSX-NI	✓
Box *	✗	Intel® OS Guard	✓
Cooler included *	✗	Intel Software Guard Extensions (Intel SGX)	✗
Memory bandwidth supported by processor (max)	93.85 GB/s	Intel 64	✓
Processor codename	Cascade Lake	Intel Virtualization Technology (VT-x)	✓
Processor ARK ID	198610	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory		Intel Turbo Boost Max Technology 3.0	✗
Maximum internal memory supported by processor	1.02 TB	Intel® Optane™ Memory Ready	✗
Memory types supported by processor	DDR4-SDRAM	AVX-512 Fused Multiply-Add (FMA) units	2
Memory clock speeds supported by processor	2933 MHz	Intel® Boot Guard	✓
Memory channels *	Quad-channel	Intel® Deep Learning Boost (Intel® DL Boost)	✓
ECC	✓	Intel® Volume Management Device (VMD)	✓
Graphics		Intel® vPro™ Platform Eligibility	✓
On-board graphics card *	✗	Operational conditions	
Discrete graphics card *	✗	Tcase	61 °C
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Workstation		

Features		Technical details	
Maximum number of PCI Express lanes	48	Launch date	Q4'19
PCI Express slots version	3.0	Product type	Processor
PCI Express configurations	1x4, 1x8, 1x16	Status	Launched
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512	Supported memory types	DDR4-SDRAM
Scalability	1S	Bus speed	8 GT/s
Physical Address Extension (PAE)	✓	Logistics data	
CPU configuration (max)	1	Harmonized System (HS) code	85423119
Embedded options available	✗	Weight & dimensions	
Physical Address Extension (PAE)	46 bit	Processor package size	45mm x 52.5mm
PCI Express CEM revision	3.0	Other features	
Export Control Classification Number (ECCN)	5A992C	Maximum internal memory	1 TB
Commodity Classification Automated Tracking System (CCATS)	G077159		



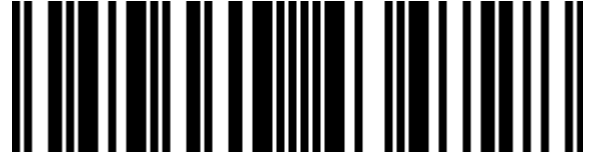
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