



HP Intel Xeon Gold 5222 processor 3.8 GHz 17 MB L3

Brand : HP

Product code: 6CX40AV

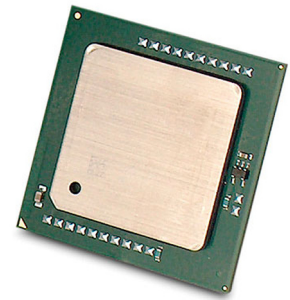
Product name : Intel Xeon Gold 5222

Intel Xeon Gold 5222, 17M Cache, 3.8 GHz, 105 W TDP, FCLGA3647, 2nd

HP Intel Xeon Gold 5222 processor 3.8 GHz 17 MB L3:

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HP Intel Xeon Gold 5222. 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-512, Scalability: 4S



Processor		Features	
Processor manufacturer *	Intel	Maximum number of PCI Express lanes	48
Processor generation	2nd Generation Intel® Xeon® Scalable	PCI Express slots version	3.0
Processor model *	5222	Supported instruction sets	AVX-512
Processor base frequency *	3.8 GHz	Scalability	4S
Processor family *	Intel® Xeon® Gold	Embedded options available	✗
Processor cores *	4	Intel® Optane™ Memory module included	✓
Processor socket *	LGA 3647 (Socket P)	Processor special features	
Component for	Server/workstation	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor lithography *	14 nm	Intel® Turbo Boost Technology	2.0
Processor series	Intel Xeon Gold 5000 Series	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor threads	8	Enhanced Intel SpeedStep Technology	✓
Processor operating modes *	64-bit	Intel Trusted Execution Technology	✓
Processor boost frequency	3.9 GHz	Intel® Speed Shift Technology	✓
Processor cache	17 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache type	L3	Intel TSX-NI	✓
Thermal Design Power (TDP)	105 W	Intel 64	✓
Cooler included *	✗	Intel Virtualization Technology (VT-x)	✓
Stepping	B1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Bus type	UPI	Intel Turbo Boost Max Technology 3.0	✗
Processor codename	Cascade Lake	AVX-512 Fused Multiply-Add (FMA) units	2
Memory		Intel® vPro™ Platform Eligibility	✓
Maximum internal memory supported by processor	1 TB	Operational conditions	
Memory types supported by processor	DDR4-SDRAM	Tcase	72 °C
Memory clock speeds supported by processor	2933 MHz	Features	
Memory channels *	Hexa-channel	Execute Disable Bit	✓
ECC	✓	Market segment	Server
Graphics			
On-board graphics card *	✗		
Discrete graphics card *	✗		
Discrete graphics card model *	Not available		

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