



HP Intel Xeon Gold 6128 processor 3.4 GHz 19.25 MB L3

Brand : HP

Product code: 2DL77AV

Product name : Intel Xeon Gold 6128

Intel Xeon Gold 6128, 6C, 115W, 3.4GHz

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HP Intel Xeon Gold 6128. 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: 768 GB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Scalability: S4S



Processor		Features	
Processor generation	1st Generation Intel® Xeon® Scalable	PCI Express slots version	3.0
Processor model *	6128	Scalability	S4S
Processor base frequency *	3.4 GHz	Embedded options available	✗
Processor family *	Intel® Xeon® Gold	Processor special features	
Processor cores *	6	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Turbo Boost Technology	2.0
Component for	Server/workstation	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography *	14 nm	Enhanced Intel SpeedStep Technology	✓
Processor threads	12	Intel Trusted Execution Technology	✓
Processor operating modes *	64-bit	Intel® Speed Shift Technology	✓
Processor boost frequency	3.7 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache	19.25 MB	Intel TSX-NI	✓
Processor cache type	L3	Intel 64	✓
Thermal Design Power (TDP)	115 W	Intel Virtualization Technology (VT-x)	✓
Stepping	H0	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor codename	Skylake	Conflict-Free processor	✓
Memory		Intel Turbo Boost Max Technology 3.0	✗
Maximum internal memory supported by processor	768 GB	Intel® Optane™ Memory Ready	✗
Memory types supported by processor	DDR4-SDRAM	Intel® vPro™ Platform Eligibility	✓
Memory clock speeds supported by processor	2666 MHz	Operational conditions	
Memory channels *	Hexa-channel	Tcase	74 °C
ECC	✓		
Graphics			
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		

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