



HP Intel Xeon Gold 6154 processor 24.75 MB L3

Brand : HP

Product code: 2DM00AV

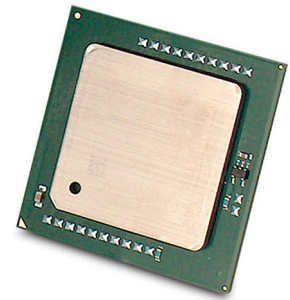
Product name : Intel Xeon Gold 6154

Intel Xeon Gold 6154, 24.75M Cache, 3 GHz, 200 W TDP, FCLGA3647

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HP Intel Xeon Gold 6154. 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, Supported instruction sets: AVX, AVX 2.0, AVX-512, SSE4.2, Scalability: S4S



Processor		Features	
Processor generation	1st Generation Intel® Xeon® Scalable	PCI Express slots version	3.0
Processor model *	6154	Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
Processor family *	Intel® Xeon® Gold	Scalability	S4S
Processor cores *	18	Embedded options available	✗
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 6000 Series	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor threads	36	Enhanced Intel SpeedStep Technology	✓
Processor operating modes *	64-bit	Intel Trusted Execution Technology	✓
Processor boost frequency	3.7 GHz	Intel® Speed Shift Technology	✓
Processor cache	24.75 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache type	L3	Intel TSX-NI	✓
Thermal Design Power (TDP)	200 W	Intel 64	✓
Cooler included *	✗	Intel Virtualization Technology (VT-x)	✓
Bus type	UPI	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor codename	Skylake	Intel Turbo Boost Max Technology 3.0	✗
Memory		Intel® Optane™ Memory Ready	✗
Maximum internal memory supported by processor	768 GB	AVX-512 Fused Multiply-Add (FMA) units	2
Memory types supported by processor	DDR4-SDRAM	Intel® Volume Management Device (VMD)	✓
Memory clock speeds supported by processor	2666 MHz	Intel® vPro™ Platform Eligibility	✓
Memory channels *	Hexa-channel	Operational conditions	
ECC	✓	Tcase	82 °C
Graphics			
On-board graphics card *	✗		
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		

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