



# Lenovo Intel Xeon Platinum 8156 processor 3.6 GHz 16.5 MB L3

Brand : Lenovo

Product code: 7XG7A05548

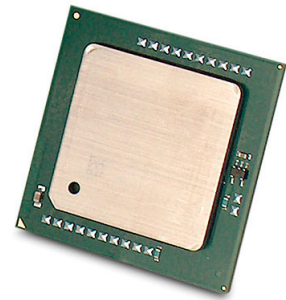
Product name : Intel Xeon Platinum 8156

Intel Xeon Platinum 8156, 16.5M Cache, 3.6 GHz, 105 W TDP

Lenovo Intel Xeon Platinum 8156 processor 3.6 GHz 16.5 MB L3:

Intel processors offer a number of strengths, including power conservation, graphics performance, processing speed, and processing power.

Lenovo Intel Xeon Platinum 8156. Processor family: Intel® Xeon® Platinum, 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: S8S



Processor		Features	
Processor generation	1st Generation Intel® Xeon® Scalable	Market segment	Server
Processor model *	8156	Maximum number of PCI Express lanes	48
Processor base frequency *	3.6 GHz	PCI Express slots version	3.0
Processor family *	Intel® Xeon® Platinum	Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
Processor cores *	4	Scalability	S8S
Processor socket *	LGA 3647 (Socket P)	Embedded options available	✗
Component for	Server/workstation	<b>Processor special features</b>	
Processor lithography *	14 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor series	Intel Xeon Platinum 8000 Series	Intel® Turbo Boost Technology	2.0
Processor threads	8	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor operating modes *	64-bit	Intel Trusted Execution Technology	✓
Processor boost frequency	3.7 GHz	Intel® Speed Shift Technology	✓
Processor cache	16.5 MB	Intel TSX-NI	✓
Processor cache type	L3	Intel 64	✓
Thermal Design Power (TDP)	105 W	Intel Virtualization Technology (VT-x)	✓
Cooler included *	✗	Conflict-Free processor	✓
Stepping	H0	Intel Turbo Boost Max Technology 3.0	✗
Processor codename	Skylake	Intel® Optane™ Memory Ready	✗
<b>Memory</b>		Intel® vPro™ Platform Eligibility	✓
Maximum internal memory supported by processor	768 GB	<b>Operational conditions</b>	
Memory types supported by processor	DDR4-SDRAM	Tcase	71 °C
Memory clock speeds supported by processor	2666 MHz		
Memory channels *	Hexa-channel		
ECC	✓		
<b>Graphics</b>			
On-board graphics card *	✗		



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