

Intel Xeon Gold 6336Y processor 2.4 GHz 36 MB

Brand : Intel

Product family: Xeon

Product code:
CD8068904658702

Product name : Gold 6336Y

Intel Xeon Gold 6336Y Processor (36MB Cache, up to 3.6 GHz)

Intel Xeon Gold 6336Y. Processor family: Intel® Xeon®, Processor socket: LGA 4189, Processor lithography: 10 nm. Memory channels: Octa-channel, Maximum internal memory supported by processor: 6.14 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: SSE4.2, AVX, AVX 2.0, AVX-512, Scalability: 2S. Maximum Enclave Size Support for Intel® SGX: 64 GB. Package type: Retail box



Processor		Processor special features	
Processor manufacturer *	Intel	Intel Trusted Execution Technology	✓
Processor base frequency *	2.4 GHz	Intel® Speed Shift Technology	✓
Processor family *	Intel® Xeon®	Intel® Transactional Synchronization Extensions	✓
Processor cores *	24	Intel® Total Memory Encryption	✓
Processor socket *	LGA 4189	Intel® Crypto Acceleration	✓
Component for	Server/workstation	Intel® Platform Firmware Resilience Support	✓
Processor lithography *	10 nm	Maximum Enclave Size Support for Intel® SGX	64 GB
Processor threads	48	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	11.2 GT/s	Intel Software Guard Extensions (Intel SGX)	✓
Processor operating modes *	64-bit	Intel 64	✓
Processor boost frequency	3.6 GHz	Intel Virtualization Technology (VT-x)	✓
High priority cores	8	Intel Virtualization Technology for Directed I/O (VT-d)	✓
High priority core frequency	2.5 GHz	AVX-512 Fused Multiply-Add (FMA) units	2
Low priority cores	16	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Low priority core frequency	2.2 GHz	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
Processor cache	36 MB	Intel® Resource Director Technology (Intel® RDT)	✓
Thermal Design Power (TDP)	185 W	Intel® Volume Management Device (VMD)	✓
Box *	✗	Intel® Run Sure Technology	✓
Cooler included *	✗	Mode-based Execute Control (MBE)	✓
Processor codename	Ice Lake	Intel® Optane™ DC Persistent Memory Supported	✓
Processor ARK ID	215280		
Memory		Operational conditions	
Maximum internal memory supported by processor	6.14 TB	Tcase	80 °C
Memory types supported by processor	DDR4-SDRAM	Technical details	
Memory clock speeds supported by processor	3200 MHz	Target market	Cloud Computing
Memory channels *	Octa-channel	Launch date	Q2'21
ECC	✓	Status	Launched
Graphics		Supported memory types	DDR4-SDRAM
On-board graphics card *	✗	Memory speed (max)	3200 MHz
Discrete graphics card *	✗	Number of UPI links	3
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Market segment	Server		

Features		Technical details	
Maximum number of PCI Express lanes	64	Servicing status	Baseline Servicing
PCI Express slots version	4.0	Logistics data	
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512	Harmonized System (HS) code	85423119
Scalability	2S	Packaging data	
Embedded options available	✓	Package type	Retail box
Export Control Classification Number (ECCN)	5A992CN3	Weight & dimensions	
Commodity Classification		Processor package size	77.5 x 56.5 mm
Automated Tracking System (CCATS)	G178966	Other features	
Processor special features		Maximum internal memory	6 TB
Intel® Hyper Threading Technology (Intel® HT Technology)	✓		
Intel® Turbo Boost Technology	2.0		
Intel® AES New Instructions (Intel® AES-NI)	✓		



8592978396633

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.