



DELL Xeon Gold 5318Y suoritin 2,1 GHz 36 MB

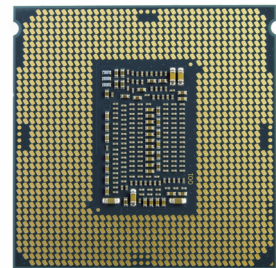
Tuotemerkki : DELL

Tuoteperhe: Xeon

Tuotekoodi: 338-CBXV

Tuotteen nimi : Gold 5318Y

DELL Xeon Gold 5318Y. Suoritinperhe: Intel® Xeon® Gold, Prosessorin kanta: LGA 4189, Prosessorin litografia: 10 nm. Muistikanavat: Octa-kanava, Prosessorin tukema suurin sisäinen muisti: 6 TB, Prosessorin tukemat muistityypit: DDR4-SDRAM. Markkinasegmentti: Palvelin, Tuetut ohjepaketit: SSE4.2, AVX, AVX 2.0, AVX-512, Skaalautuvuus: 2S. Intel® SGX:n tuettu enklaavin enimmäiskoko: 64 GB. Prosessorin pakkauskoko: 77.5 x 56.5 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor generation	3rd Generation Intel® Xeon® Scalable	Intel Trusted Execution Technology	✓
Processor model *	5318Y	Intel® Speed Shift Technology	✓
Processor base frequency *	2.1 GHz	Intel® Transactional Synchronization Extensions	✓
Processor family *	Intel® Xeon® Gold	Intel® Total Memory Encryption	✓
Processor cores *	24	Intel® Crypto Acceleration	✓
Processor socket *	LGA 4189	Intel® Platform Firmware Resilience Support	✓
Component for	Server/workstation	Maximum Enclave Size Support for Intel® SGX	64 GB
Processor lithography *	10 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Xeon Gold 5000 Series	Intel Software Guard Extensions (Intel SGX)	✓
Processor threads	48	Intel 64	✓
System bus rate	11.2 GT/s	Intel Virtualization Technology (VT-x)	✓
Processor operating modes *	64-bit	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor boost frequency	3.4 GHz	AVX-512 Fused Multiply-Add (FMA) units	2
Processor cache	36 MB	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Thermal Design Power (TDP)	165 W	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
Box *	✗	Intel® Resource Director Technology (Intel® RDT)	✓
Cooler included *	✗	Intel® Volume Management Device (VMD)	✓
Processor codename	Ice Lake		
Memory			
Maximum internal memory supported by processor	6 TB		
Memory types supported by processor	DDR4-SDRAM		
Memory clock speeds supported by processor	2933 MHz		
Memory channels *	Octa-channel		
ECC	✓		

Graphics		Processor special features	
On-board graphics card *	✗	Intel® Run Sure Technology	✓
Discrete graphics card *	✗	Mode-based Execute Control (MBE)	✓
On-board graphics card model *	Not available	Intel® Optane™ DC Persistent Memory Supported	✓
Discrete graphics card model *	Not available		
Features		Operational conditions	
Execute Disable Bit	✓	Tcase	87 °C
Market segment	Server	Technical details	
Maximum number of PCI Express lanes	64	Launch date	Q2'21
PCI Express slots version	4.0	Status	Launched
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512	Supported memory types	DDR4-SDRAM
Scalability	2S	Memory speed (max)	2933 MHz
Embedded options available	✓	Number of UPI links	3
Export Control Classification Number (ECCN)	5A992CN3	Logistics data	
Commodity Classification Automated Tracking System (CCATS)	G178966	Harmonized System (HS) code	85423119
Processor special features		Weight & dimensions	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Processor package size	77.5 x 56.5 mm
Intel® Turbo Boost Technology	2.0	Other features	
		Maximum internal memory	6 TB



5397184660263

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.