



DELL Xeon 5218 suoritin 2,3 GHz 22 MB

Tuotemerkki : DELL

Tuoteperhe: Xeon

Tuotekoodi: 338-BRVS

Tuotteen nimi : 5218

DELL Xeon 5218. Suoritinperhe: Intel® Xeon® Gold, Prosessorin kanta: LGA 3647 (Socket P), Prosessorin litografia: 14 nm. Muistikanavat: Hexa-kanava, Prosessorin tukema suurin sisäinen muisti: 1,02 TB, Prosessorin tukemat muistityypit: DDR4-SDRAM. Markkinasegmentti: Palvelin, Tuetut ohjepaketit: AVX-512, Skaalautuvuus: 4S. Prosessorin pakkausko: 76.0 x 56.5 mm. Yhteensopivuus: - PowerEdge R640 - PowerEdge R740 - PowerEdge R940 - PowerEdge R740XD - PowerEdge C6420 -...

Processor		Processor special features	
Processor manufacturer *	Intel	Intel Trusted Execution Technology	✓
Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® Speed Shift Technology	✓
Processor model *	5218	Intel VT-x with Extended Page Tables (EPT)	✓
Processor base frequency *	2.3 GHz	Intel TSX-NI	✓
Processor family *	Intel® Xeon® Gold	Intel 64	✓
Processor cores *	16	Intel Virtualization Technology (VT-x)	✓
Processor socket *	LGA 3647 (Socket P)	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Component for	Server/workstation	Intel Turbo Boost Max Technology 3.0	✗
Processor lithography *	14 nm	AVX-512 Fused Multiply-Add (FMA) units	1
Processor threads	32	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Processor operating modes *	64-bit	Intel® Resource Director Technology (Intel® RDT)	✓
Processor boost frequency	3.9 GHz	Intel® Volume Management Device (VMD)	✓
Processor cache	22 MB	Intel® Run Sure Technology	✓
Thermal Design Power (TDP)	125 W	Mode-based Execute Control (MBE)	✓
Box *	✗	Intel® vPro™ Platform Eligibility	✓
Cooler included *	✗	Intel Speed Select Technology (SST)	✗
Processor codename	Cascade Lake	Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
Processor ARK ID	192444	Intel® Optane™ DC Persistent Memory technology	✓
Memory		Operational conditions	
Maximum internal memory supported by processor	1.02 TB	Tcase	87 °C
Memory types supported by processor	DDR4-SDRAM	Technical details	
Memory clock speeds supported by processor	2667 MHz	Launch date	Q2'19
Memory channels *	Hexa-channel	Product type	Processor
ECC	✓	Status	Launched
Graphics		Memory speed (max)	2667 MHz
On-board graphics card *	✗	Number of UPI links	2
Discrete graphics card *	✗	Logistics data	
On-board graphics card model *	Not available	Harmonized System (HS) code	85423119
Discrete graphics card model *	Not available	Weight & dimensions	
Features		Processor package size	76.0 x 56.5 mm
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		
Supported instruction sets	AVX-512		
Scalability	4S		
Embedded options available	✗		
PCI Express CEM revision	3.0		

Processor special features	Other features
Intel® Hyper Threading Technology (Intel® HT Technology) ✓	Compatibility - PowerEdge R640 - PowerEdge R740 - PowerEdge R940 - PowerEdge R740XD - PowerEdge C6420 - PowerEdge R440 - PowerEdge T640 - PowerEdge FC640 - PowerEdge M640 - PowerEdge M640 VRTX - PowerEdge R540 - PowerEdge C4140 - PowerEdge R840 - PowerEdge R940xa - PowerEdge MX740C - PowerEdge MX840c - PowerEdge R740xd2 - PowerEdge XR2
Intel® Turbo Boost Technology 2.0	
Intel® AES New Instructions (Intel® AES-NI) ✓	
Enhanced Intel SpeedStep Technology ✓	



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