

Intel Xeon Platinum 8352V processor 2.1 GHz 54 MB

Brand : Intel

Product family: Xeon

Product code:
CD8068904571501

Product name : Platinum
8352V



Intel Xeon Platinum 8352V Processor (54MB Cache, up to 3.5 GHz)
Intel Xeon Platinum 8352V. Processor family: Intel® Xeon® Platinum, 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: 8 GB. Processor package size: 77.5 x 56.5 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel Trusted Execution Technology	✓
Processor generation	3rd Generation Intel® Xeon® Scalable	Intel® Speed Shift Technology	✓
Processor model *	8352V	Intel® Transactional Synchronization Extensions	✓
Processor base frequency *	2.1 GHz	Intel® Total Memory Encryption	✓
Processor family *	Intel® Xeon® Platinum	Intel® Crypto Acceleration	✓
Processor cores *	36	Intel® Platform Firmware Resilience Support	✓
Processor socket *	LGA 4189	Maximum Enclave Size Support for Intel® SGX	8 GB
Component for	Server/workstation	Intel VT-x with Extended Page Tables (EPT)	✓
Processor lithography *	10 nm	Intel Software Guard Extensions (Intel SGX)	✓
Processor threads	72	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	3.5 GHz	Intel® Optane™ Memory Ready	✓
Processor cache	54 MB	AVX-512 Fused Multiply-Add (FMA) units	2
Thermal Design Power (TDP)	195 W	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Box *	✗	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
Cooler included *	✗	Intel® Resource Director Technology (Intel® RDT)	✓
Processor codename	Ice Lake	Intel® Volume Management Device (VMD)	✓
Processor ARK ID	212454	Intel® Run Sure Technology	✓
Memory		Mode-based Execute Control (MBE)	✓
Maximum internal memory supported by processor	6.14 TB	Intel® Optane™ DC Persistent Memory Supported	✓
Memory types supported by processor	DDR4-SDRAM	Operational conditions	
Memory clock speeds supported by processor	2933 MHz	Tcase	78 °C
Memory channels *	Octa-channel	Technical details	
ECC	✓	Target market	Cloud Computing
Graphics		Launch date	Q2'21
On-board graphics card *	✗	Status	Launched
Discrete graphics card *	✗	Supported memory types	DDR4-SDRAM
On-board graphics card model *	Not available	Memory speed (max)	2933 MHz
Discrete graphics card model *	Not available	Features	
Features		Execute Disable Bit	✓
Market segment	Server	Market segment	Server
Maximum number of PCI Express lanes	64	Maximum number of PCI Express lanes	64
PCI Express slots version	4.0	PCI Express slots version	4.0

Features		Technical details	
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512	Number of UPI links	3
Scalability	2S	Servicing status	Baseline Servicing
Embedded options available	✘	Logistics data	
Export Control Classification Number (ECCN)	5A992CN3	Harmonized System (HS) code	85423119
Commodity Classification Automated Tracking System (CCATS)	G178966	Weight & dimensions	
Processor special features		Processor package size	77.5 x 56.5 mm
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Other features	
Intel® Turbo Boost Technology	2.0	Maximum internal memory	6 TB
Intel® AES New Instructions (Intel® AES-NI)	✓		



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