

Intel Xeon 5117 processor 2 GHz 19.25 MB L3

Brand : Intel

Product family: Xeon

Product code:
CD8067303317801

Product name : 5117



Intel® Xeon® Gold 5117 Processor
(19.25M Cache, 2.00 GHz)

Intel Xeon 5117. Processor family: Intel® Xeon® Gold, 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, Scalability: 4S, Export Control Classification Number (ECCN): 5A992C. Processor package size: 76mm x 56.5mm. Maximum internal memory: 768 GB, Maximum internal memory: 786432 MB



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	5117	Intel® Turbo Boost Technology	2.0
Processor base frequency *	2 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor family *	Intel® Xeon® Gold	Intel Trusted Execution Technology	✓
Processor cores *	14	Intel® Speed Shift Technology	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Transactional Synchronization Extensions	✓
Component for	Server/workstation	Intel VT-x with Extended Page Tables (EPT)	✓
Processor lithography *	14 nm	Intel TSX-NI	✓
Processor series	Intel Xeon Gold 5000 Series	Intel 64	✓
Processor threads	28	Intel Virtualization Technology (VT-x)	✓
Processor operating modes *	64-bit	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor boost frequency	2.8 GHz	Intel TSX-NI version	1.00
Processor cache	19.25 MB	Conflict-Free processor	✓
Processor cache type	L3	Intel Turbo Boost Max Technology 3.0	✗
Thermal Design Power (TDP)	105 W	Intel® Optane™ Memory Ready	✗
Box *	✗	AVX-512 Fused Multiply-Add (FMA) units	1
Cooler included *	✗	Intel® vPro™ Platform Eligibility	✓
Stepping	H0		
Bus type	UPI		
Memory bandwidth supported by processor (max)	128 GB/s		
Processor codename	Skylake		
Processor code	SR37S		
Processor ARK ID	122460		
Memory		Technical details	
Maximum internal memory supported by processor	768 GB	Launch date	Q3'17
Memory types supported by processor	DDR4-SDRAM	Processor cache	19712 KB
Memory clock speeds supported by processor	2400 MHz	Product type	Processor
Memory channels *	Hexa-channel	Status	Launched
ECC	✓	Maximum memory	768 GB
		Processor brand name	Intel Xeon Gold Intel Xeon Gold Processor
		Supported memory types	DDR4-SDRAM
		Last change	63903513
		Intel® Speed Shift Technology version	1.00
		Memory speed (max)	2400 MHz
		Number of UPI links	2
Graphics		Logistics data	
On-board graphics card *	✗	Harmonized System (HS) code	8542310001
Features		Weight & dimensions	
Market segment	Server	Processor package size	76mm x 56.5mm
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		
Scalability	4S		
Embedded options available	✗		

Features		Other features	
PCI Express CEM revision	3.0	Maximum internal memory	768 GB
Export Control Classification Number (ECCN)	5A992C	Maximum internal memory	786432 MB
Commodity Classification Automated Tracking System (CCATS)	G077159		

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