

## Intel Xeon 4114 processor 2.2 GHz 13.75 MB L3

Brand : Intel

Product family: Xeon

Product code:  
CD8067303561800

Product name : 4114



Intel® Xeon® Silver 4114 Processor  
(13.75M Cache, 2.20 GHz)

Intel Xeon 4114. Processor family: Intel Xeon Silver, 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, Supported instruction sets: SSE4.2, AVX, AVX 2.0, AVX-512, Scalability: 2S. Package type: Retail box. Processor package size: 76mm x 56.5mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel Trusted Execution Technology	✓
Processor generation	1st Generation Intel® Xeon® Scalable	Intel® Speed Shift Technology	✓
Processor model *	4114	Intel® Transactional Synchronization Extensions	✓
Processor base frequency *	2.2 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Processor family *	Intel Xeon Silver	Intel TSX-NI	✓
Processor cores *	10	Intel 64	✓
Processor socket *	LGA 3647 (Socket P)	Intel Virtualization Technology (VT-x)	✓
Component for	Server/workstation	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor lithography *	14 nm	Intel TSX-NI version	1.00
Processor threads	20	Conflict-Free processor	✓
Processor operating modes *	64-bit	Intel Turbo Boost Max Technology 3.0	✗
Processor boost frequency	3 GHz	Intel® Optane™ Memory Ready	✗
Processor cache	13.75 MB	AVX-512 Fused Multiply-Add (FMA) units	1
Processor cache type	L3	Intel® Volume Management Device (VMD)	✓
Thermal Design Power (TDP)	85 W	Mode-based Execute Control (MBE)	✓
Box *	✗	Intel® vPro™ Platform Eligibility	✓
Cooler included *	✗	<b>Operational conditions</b>	
Stepping	U0	Tcase	78 °C
Bus type	UPI	<b>Technical details</b>	
Processor codename	Skylake	Launch date	Q3'17
Processor code	SR3GK	Processor cache	14080 KB
Processor ARK ID	123550	Product type	Processor
<b>Memory</b>		Status	Launched
Maximum internal memory supported by processor	768 GB	Maximum memory	768 GB
Memory types supported by processor	DDR4-SDRAM	Processor brand name	Intel Xeon Silver Intel Xeon Silver Processor
Memory clock speeds supported by processor	2400 MHz	Supported memory types	DDR4-SDRAM
Memory channels *	Hexa-channel	Last change	63903513
ECC	✓	Product family	Intel Xeon Processors
<b>Graphics</b>		Intel® Speed Shift Technology version	1.00
On-board graphics card *	✗	Intel® Volume Management Device (VMD) version	1.00
<b>Features</b>		Memory speed (max)	2400 MHz
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		

Features		Technical details	
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512	Mode-based Execute Control (MBE) version	1.00
Scalability	2S	Number of UPI links	2
Embedded options available	✘	<b>Logistics data</b>	
PCI Express CEM revision	3.0	Harmonized System (HS) code	8542310001
Export Control Classification Number (ECCN)	5A992C	<b>Packaging data</b>	
Commodity Classification Automated Tracking System (CCATS)	G077159	Package type	Retail box
<b>Processor special features</b>		<b>Weight &amp; dimensions</b>	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Processor package size	76mm x 56.5mm
Intel® Turbo Boost Technology	2.0	<b>Other features</b>	
Intel® AES New Instructions (Intel® AES-NI)	✓	Maximum internal memory	768 GB
Enhanced Intel SpeedStep Technology	✓	Maximum internal memory	786432 MB



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