

## Intel Xeon E5-2620V4 processor 2.1 GHz 20 MB Smart Cache

**Brand :** Intel

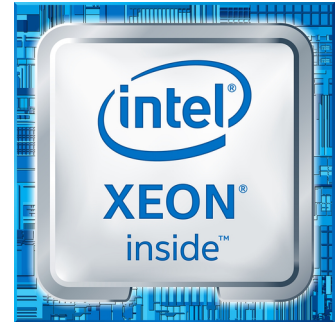
**Product family:** Xeon

**Product code:**  
CM8066002032201

**Product name :** E5-2620V4

Intel® Xeon® Processor E5-2620 v4  
(20M Cache, 2.10 GHz)

Intel Xeon E5-2620V4. Processor family: Intel® Xeon® E5 v4, Processor socket: LGA 2011-v3, Processor lithography: 14 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 1.54 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX 2.0, Scalability: 2S. Intel® Turbo Boost Technology 2.0 frequency: 3 GHz. Package type: Retail box



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor model *	E5-2620V4	Enhanced Intel SpeedStep Technology	✓
Processor base frequency *	2.1 GHz	Intel Trusted Execution Technology	✓
Processor family *	Intel® Xeon® E5 v4	Intel® Turbo Boost Technology 2.0 frequency	3 GHz
Processor cores *	8	Intel® Transactional Synchronization Extensions	✓
Processor socket *	LGA 2011-v3	Intel Enhanced Halt State	✓
Component for	Server/workstation	Intel VT-x with Extended Page Tables (EPT)	✓
Processor lithography *	14 nm	Intel Demand Based Switching	✓
Processor series	Intel Xeon E5-2600 v4	Intel® Secure Key	✓
Processor threads	16	Intel TSX-NI	✓
System bus rate	8 GT/s	Intel® OS Guard	✓
Processor operating modes *	64-bit	Intel 64	✓
Processor boost frequency	3 GHz	Intel Identity Protection Technology version	0.00
Processor cache	20 MB	Intel Secure Key Technology version	1.00
Processor cache type	Smart Cache	Intel Virtualization Technology (VT-x)	✓
Thermal Design Power (TDP)	85 W	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Box *	✗	Intel TSX-NI version	1.00
Cooler included *	✗	Conflict-Free processor	✓
VID Voltage Range	0 - 0 V	Intel® vPro™ Platform Eligibility	✓
Stepping	R0		
Bus type	QPI		
Number of QPI links	2		
Memory bandwidth supported by processor (max)	68.3 GB/s		
Processor codename	Broadwell		
Processor code	SR2R6		
Processor ARK ID	92986		
Memory		Operational conditions	
Maximum internal memory supported by processor	1.54 TB	Tcase	74 °C
		Technical details	
		Bus bandwidth	8

Memory		Technical details	
Memory types supported by processor	DDR4-SDRAM	Bus type units	GT/s
Memory clock speeds supported by processor	1600,1866,2133 MHz	Launch date	Q1'16
Memory channels *	Quad-channel	Processor cache	20480 KB
ECC	✓	Product type	Processor
<b>Graphics</b>		Status	Launched
On-board graphics card *	✗	Processor brand name	Intel Xeon
<b>Features</b>		Supported memory types	DDR4-SDRAM
Execute Disable Bit	✓	Last change	63903513
Idle States	✓	Product family	Intel Xeon Processor E5 v4 Family
Thermal Monitoring Technologies	✓	Bus speed	8 GT/s
Market segment	Server	Servicing status	End of Servicing Updates
Maximum number of PCI Express lanes	40	End of servicing updates date	Thursday, June 30, 2022
PCI Express slots version	3.0	<b>Logistics data</b>	
Supported instruction sets	AVX 2.0	Harmonized System (HS) code	85423119
Scalability	2S	<b>Packaging data</b>	
Physical Address Extension (PAE)	✓	Package type	Retail box
CPU configuration (max)	2	<b>Weight &amp; dimensions</b>	
Embedded options available	✓	Processor package size	45mm x 52.5mm
Physical Address Extension (PAE)	46 bit	<b>Other features</b>	
PCI Express CEM revision	3.0	Intel Server System R1208WT2GSR	
Export Control Classification Number (ECCN)	5A992C	Intel Server System R1208WTTGSR	
Commodity Classification Automated Tracking System (CCATS)	G077159	Intel Server System R1304WT2GSR	
<b>Processor special features</b>		Intel Server System R1304WTTGSR	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Intel Server System R2208WTTYSR	
Intel® Identity Protection Technology (Intel® IPT)	✗	Intel Server System R2208WT2YSR	
Intel® Turbo Boost Technology	2.0	Intel Server System R2208WTTYC1R	
Intel Flex Memory Access	✗	Intel Server System R2308WTTYSR	
		Intel Server System R2312WTTYSR	
		Intel Server System R2224WTTYSR	
		Intel Server System VRN2224THY2	
		Intel Server System VRN2224THY4	
		Intel Server Board S2600CW2R Intel Server Board S2600CW2SR Intel Server Board S2600CWTR Intel Server Board S2600CWTSR Intel Server Board S2600KPR Intel Server Board S2600KPFR Intel Server Board S2600KPTR Intel Server Board S2600TPR Intel Server Board S2600TPFR Intel Server Board S2600WTTR Intel Server Board S2600WT2R Intel Server Board S2600WTT51R Intel Compute Module HNS2600KPFR Intel Compute Module HNS2600KPR Intel Compute Module HNS2600TP24R Intel Compute Module HNS2600TPFR Intel Compute Module HNS2600TPR Intel Compute Module HNS2600TP24SR	
		Compatibility	
		Maximum internal memory	1.5 TB
		Maximum internal memory	1572864 MB



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