

## Intel Xeon E5-2660V4 processor 2 GHz 35 MB Smart Cache

**Brand :** Intel

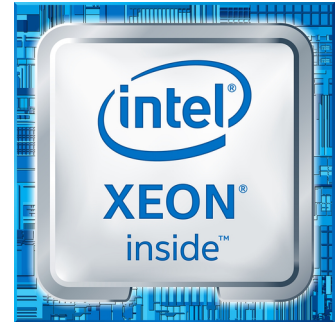
**Product family:** Xeon

**Product code:**  
CM8066002031201

**Product name :** E5-2660V4

Intel® Xeon® Processor E5-2660 v4  
(35M Cache, 2.00 GHz)

Intel Xeon E5-2660V4. Processor family: Intel® Xeon® E5 v4, Processor socket: LGA 2011-v3, Processor lithography: 14 nm. Memory channels: Quad-channel, Memory types supported by processor: DDR4-SDRAM, Memory clock speeds supported by processor: 1600,1866,2133,2400 MHz. Market segment: Server, Supported instruction sets: AVX 2.0, Scalability: 2S. Intel® Turbo Boost Technology 2.0 frequency: 3.2 GHz. Processor package size: 45mm x 52.5mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor model *	E5-2660V4	Enhanced Intel SpeedStep Technology	✓
Processor base frequency *	2 GHz	Intel Trusted Execution Technology	✓
Processor family *	Intel® Xeon® E5 v4	Intel® Turbo Boost Technology 2.0 frequency	3.2 GHz
Processor cores *	14	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	28	Intel TSX-NI	✓
System bus rate	9.6 GT/s	Intel® OS Guard	✓
Processor operating modes *	64-bit	Intel 64	✓
Processor boost frequency	3.2 GHz	Intel Identity Protection Technology version	0.00
Processor cache	35 MB	Intel Secure Key Technology version	1.00
Processor cache type	Smart Cache	Intel Virtualization Technology (VT-x)	✓
Thermal Design Power (TDP)	105 W	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Box *	✗	Intel TSX-NI version	1.00
Cooler included *	✗	Conflict-Free processor	✓
Stepping	M0	Intel® vPro™ Platform Eligibility	✓
Bus type	QPI		
Number of QPI links	2		
Memory bandwidth supported by processor (max)	76.8 GB/s		
Processor codename	Broadwell		
Processor code	SR2N4		
Processor ARK ID	91772		
Memory		Operational conditions	
Memory types supported by processor	DDR4-SDRAM	Tcase	79 °C
		Technical details	
		Bus bandwidth	9.6

Memory		Technical details			
Memory clock speeds supported by processor	1600,1866,2133,2400 MHz	Bus type units	GT/s		
Memory channels *	Quad-channel	Launch date	Q1'16		
ECC	✓	Processor cache	35840 KB		
Graphics		Product type	Processor		
On-board graphics card *	✗	Status	Launched		
Features		Processor brand name	Intel Xeon		
Execute Disable Bit	✓	Supported memory types	DDR4-SDRAM		
Idle States	✓	Last change	63903513		
Thermal Monitoring Technologies	✓	Product family	Intel Xeon Processor E5 v4 Family		
Market segment	Server	Bus speed	9.6 GT/s		
Maximum number of PCI Express lanes	40	Servicing status	End of Servicing Updates		
PCI Express slots version	3.0	End of servicing updates date	Thursday, June 30, 2022		
Supported instruction sets	AVX 2.0	Logistics data			
Scalability	2S	Harmonized System (HS) code	85423119		
Physical Address Extension (PAE)	✓	Weight & dimensions			
CPU configuration (max)	2	Processor package size	45mm x 52.5mm		
Embedded options available	✗	Other features			
Physical Address Extension (PAE)	46 bit	Intel Server System R1208WT2GSR Intel Server System R1208WTTGSR Intel Server System R1304WT2GSR Intel Server System R1304WTTGSR Intel Server System R2208WTTYSR Intel Server System R2208WT2YSR Intel Server System R2208WTTYC1R Intel Server System R2308WTTYSR Intel Server System R2312WTTYSR Intel Server System R2224WTTYSR 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 S2600WTTS1R Intel Compute Module HNS2600KPFR Intel Compute Module HNS2600KPR Intel Compute Module HNS2600TP24R Intel Compute Module HNS2600TPFR Intel Compute Module HNS2600TPR Intel Compute Module HNS2600TP24SR			
PCI Express CEM revision	3.0				
Export Control Classification Number (ECCN)	5A992C				
Commodity Classification Automated Tracking System (CCATS)	G077159				
Processor special features				Compatibility	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓				
Intel® Identity Protection Technology (Intel® IPT)	✗				
Intel® Turbo Boost Technology	2.0				
Intel Flex Memory Access	✗				



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