

## Intel Xeon E5-2680V4 processor 2,4 GHz 35 MB Smart Cache

**Merk :** Intel

**Productfamilie:** Xeon

**Artikelcode:**  
CM8066002031501

**Productnaam :** E5-2680V4



Intel Xeon Processor E5-2680 v4 (35M Cache, 2.40 GHz)

Intel Xeon E5-2680V4. Processorfamilie: Intel® Xeon® E5 v4, Processor socket: LGA 2011-v3, Processor lithografie: 14 nm. Geheugen kanaal: Vierkanaals, Maximaal intern geheugen ondersteund door processor: 1,54 TB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Server, Ondersteunde instructie sets: AVX 2.0, Schaalbaarheid: 2S. Intel® Turbo Boost Technology 2.0 frequency: 3,3 GHz. Type verpakking: Retaildoos



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Enhanced Intel SpeedStep Technology	✓
Processormodel *	E5-2680V4	Intel® Trusted Execution Technology	✓
Basisfrequentie processor *	2,4 GHz	Intel® Turbo Boost Technology 2.0 frequency	3,3 GHz
Processorfamilie *	Intel® Xeon® E5 v4	Intel® Transactional Synchronization Extensions	✓
Aantal processorkernen *	14	Intel® Enhanced Halt State	✓
Processor socket *	LGA 2011-v3	Intel® VT-x with Extended Page Tables (EPT)	✓
Component voor	Server/werkplaats	Intel® Demand Based Switching	✓
Processor lithografie *	14 nm	Intel® Secure Key	✓
Processorserie	Intel Xeon E5-2600 v4	Intel® TSX-NI	✓
Processor aantal threads	28	Intel® OS Guard	✓
Systeembus	9,6 GT/s	Intel® 64	✓
Processor operating modes *	64-bit	Versie Intel® Identity Protection Technology	0,00
Maximale turbofrequentie van processor	3,3 GHz	Versie Intel® Secure Key Technology	1,00
Processor cache	35 MB	Intel® Virtualization Technology (VT-x)	✓
Processor cache type	Smart Cache	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Thermal Design Power (TDP)	120 W	Versie Intel® TSX-NI	1,00
Box *	✗	Conflictvrije processor	✓
Inclusief koeler *	✗	Intel® vPro™ Platform Eligibility	✓
VID Voltage Range	0 - 0 V		
Stepping	M0		
Bus type	QPI		
aantal QPI links	2		
Geheugenbandbreedte ondersteund door de processor ( max)	76,8 GB/s		
Codenaam processor	Broadwell		
Processorcode	SR2N7		
ARK ID processor	91754		
		<b>Eisen aan de omgeving</b>	
		Tcase	86 °C
		<b>Technische details</b>	
		Bandbreedte bus	9,6

Geheugen		Technische details	
Maximaal intern geheugen ondersteund door processor	1,54 TB	Type buseenheden	GT/s
Geheugentypen ondersteund door processor	DDR4-SDRAM	Lanceringsdatum	Q1'16
Klokgeheugen-snelheden ondersteund door processor	1600,1866,2133,2400 MHz	Processorcache	35840 KB
Geheugen kanaal *	Vierkanaals	Type product	Processor
ECC	✓	Status	Launched
<b>Grafisch</b>		Merknaam processor	Intel Xeon
Ingebouwde grafische adapter *	✗	Ondersteunde geheugen types	DDR4-SDRAM
<b>Kenmerken</b>		Laatste wijziging	63903513
Execute Disable Bit	✓	Productfamilie	Intel Xeon Processor E5 v4 Family
Idle States	✓	Bussnelheid	9.6 GT/s
Thermal Monitoring Technologies	✓	Onderhoudsstatus	End of Servicing Updates
Marktsegment	Server	Datum einde onderhoudsupdates	Thursday, June 30, 2022
Maximaal aantal PCI Express-lijnen	40	<b>Logistieke gegevens</b>	
PCI Express slots versie	3.0	Code geharmoniseerd systeem (HS)	85423119
Ondersteunde instructie sets	AVX 2.0	<b>Verpakking</b>	
Schaalbaarheid	2S	Type verpakking	Retaildoos
Physical Address Extension (PAE)	✓	<b>Gewicht en omvang</b>	
CPU configuratie (max)	2	Verpakkingsgrootte processor	45mm x 52.5mm
Ingebouwde opties beschikbaar	✓	<b>Overige specificaties</b>	
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 System VRN2208WAF6 Intel Server System VRN2208WAF8 Intel Server System VRN2208WHY8 Intel Server System VRN2224THY6 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 revisie	3.0		
Export Control Classification Number (ECCN)	5A992C		
Commodity Classification Automated Tracking System (CCATS)	G077159		
<b>Processor speciale functies</b>			
Intel® Hyper Threading Technology (Intel® HT Technology)	✓		
Intel® Identity Protection Technology (Intel® IPT)	✗		
Intel® Turbo Boost Technology	2.0		
Intel® Flex Memory Access	✗		
Intel® AES New Instructions (Intel® AES-NI)	✓		
		Compatibiliteit	
		Maximum intern geheugen	1,5 TB
		Maximaal intern geheugen	1572864 MB



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