

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

Marke : Intel

Produktfamilie: Xeon

Artikel-Code:
CM8066002031501

Produktname : E5-2680V4

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

Intel Xeon E5-2680V4. Prozessorfamilie: Intel® Xeon® E5 v4, Prozessorsockel: LGA 2011-v3, Prozessor Lithografie: 14 nm. Speicherkanäle: Vierfach-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 1,54 TB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Server, Unterstützte Befehlsätze: AVX 2.0, Skalierbarkeit: 2S. Intel® Turbo Boost Technology 2.0 frequency: 3,3 GHz. Verpackungsart: Einzelhandels-Box



Prozessor		Prozessor Besonderheiten	
Prozessorhersteller *	Intel	Verbesserte Intel SpeedStep Technologie	✓
Prozessor *	E5-2680V4	Intel® Trusted-Execution-Technik	✓
Grundfrequenz des Prozessors *	2,4 GHz	Intel® Turbo Boost Technology 2.0 frequency	3,3 GHz
Prozessorfamilie *	Intel® Xeon® E5 v4	Intel® Transactional Synchronization Extensions	✓
Anzahl Prozessorkerne *	14	Intel® Enhanced Halt State	✓
Prozessorsockel *	LGA 2011-v3	Intel® VT-x mit Extended Page Tables (EPT)	✓
Komponente für	Server/Arbeitsstation	Intel® Demand Based Switching	✓
Prozessor Lithografie *	14 nm	Intel® Sicherer Schlüssel	✓
Prozessor-Serien	Intel Xeon E5-2600 v4	Intel® TSX-NI	✓
Prozessor-Threads	28	Intel® OS Guard	✓
Systembus-Rate	9,6 GT/s	Intel® 64	✓
Prozessorbetriebsmodi *	64-Bit	Intel® Identity Protection Technologieversion	0,00
Prozessor Boost-Frequenz	3,3 GHz	Intel® Secure Key Technologieversion	1,00
Prozessor-Cache	35 MB	Intel® Virtualization Technologie (VT-X)	✓
Prozessor Cache Typ	Smart Cache	Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✓
Thermal Design Power (TDP)	120 W	Intel® TSX-NI-Version	1,00
Box *	✗	Konfliktloser-Prozessor	✓
Kühler enthalten *	✗	Intel® vPro™ Platform Eligibility	✓
VID Spannungsbereich	0 - 0 V		
Stepping	M0		
Bus Typ	QPI		
Anzahl der QPI links	2		
Durch den Prozessor (max) unterstützte Speicherbandbreite	76,8 GB/s		
Prozessor Codename	Broadwell		
Prozessor-Code	SR2N7		
ARK Prozessorerkennung	91754		
Speicher		Betriebsbedingungen	
Maximaler interner Speicher, vom Prozessor unterstützt	1,54 TB	Tcase	86 °C
		Technische Details	
		Bus-Bandbreite	9,6
		Bus-Typ-Einheiten	GT/s

Speicher		Technische Details	
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM	Startdatum	Q1'16
Speichertaktraten, vom Prozessor unterstützt	1600,1866,2133,2400 MHz	Prozessor Cache	35840 KB
Speicherkanäle *	Vierfach-Kanal	Produkttyp	Processor
ECC	✓	Status	Launched
Grafik		Markenname Prozessor	Intel Xeon
Eingebaute Grafikkadpter *	✗	Unterstützte Arbeitsspeicher	DDR4-SDRAM
Merkmale		Letzte Änderung	63903513
Execute Disable Bit	✓	Produktfamilie	Intel Xeon Processor E5 v4 Family
Leerlauf Zustände	✓	Busgeschwindigkeit	9.6 GT/s
Thermal-Überwachungstechnologien	✓	Instandhaltungsstatus	End of Servicing Updates
Marktsegment	Server	Datum des Endes der Wartungsaktualisierung	Thursday, June 30, 2022
Maximale Anzahl der PCI-Express-Lanes	40	Logistikdaten	
PCI-Express-Slots-Version	3.0	Warentarifnummer (HS)	85423119
Unterstützte Befehlssätze	AVX 2.0	Verpackungsdaten	
Skalierbarkeit	25	Verpackungsart	Einzelhandels-Box
Physical Address Extension (PAE)	✓	Gewicht und Abmessungen	
CPU Konfiguration (max)	2	Prozessor-Paketgröße	45mm x 52.5mm
Eingebettete Optionen verfügbar	✓	Sonstige Funktionen	
Physical Address Extension (PAE)	46 Bit	Intel Server System R1208WT2GSR	
PCI Express CEM Revision	3.0	Intel Server System R1208WTTGSR	
Exportkontroll-Klassifizierungsnummer (ECCN)	5A992C	Intel Server System R1304WT2GSR	
Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS)	G077159	Intel Server System R1304WTTGSR	
Prozessor Besonderheiten		Intel Server System R2208WTTYSR	
Intel® Hyper-Threading-Technik (Intel® HT Technology)	✓	Intel Server System R2208WT2YSR	
Intel® Identity-Protection-Technologie (Intel® IPT)	✗	Intel Server System R2208WTTYC1R	
Intel® Turbo-Boost-Technologie	2.0	Intel Server System R2308WTTYSR	
Intel® Flex Memory Access	✗	Intel Server System R2312WTTYSR	
Intel® AES New Instructions (Intel® AES-NI)	✓	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	
		RAM-Speicher maximal	1,5 TB
		RAM-Speicher maximal	1572864 MB



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