Lenovo Intel Xeon E5-2630 v4 Prozessor 2,2 GHz 25 MB Smart Cache



Marke : Lenovo

Artikel-Code: 4XG0M28236

Produktname : Intel Xeon E5-2630 v4

Lenovo Intel Xeon E5-2630 v4. 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 Befehlssätze: AVX 2.0, Skalierbarkeit: 2S

Prozessor	
Prozessorhersteller *	Intel
Prozessor *	E5-2630V4
Grundfrequenz des Prozessors *	2,2 GHz
Prozessorfamilie *	Intel® Xeon® E5 v4
Anzahl Prozessorkerne *	10
Prozessorsockel *	LGA 2011-v3
Komponente für	Server/Arbeitsstation
Prozessor Lithografie *	14 nm
Prozessor-Serien	Intel Xeon E5-2600 v4
Prozessor-Threads	20
Systembus-Rate	8 GT/s
Prozessorbetriebsmodi *	64-Bit
Prozessor Boost-Frequenz	3,1 GHz
Prozessor-Cache	25 MB
Prozessor Cache Typ	Smart Cache
Thermal Design Power (TDP)	85 W
Kühler enthalten *	✗
Stepping	R0
Bus Typ	QPI
Anzahl der QPI links	2
Durch den Prozessor (max) unterstützte Speicherbandbreite	68,3 GB/s
Prozessor Codename	Broadwell

Speicher	
Maximaler interner Speicher, vom Prozessor unterstützt	1,54 TB
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM
Speichertaktraten, vom Prozessor unterstützt	1600,1866,2133 MHz
Speicherkanäle *	Vierfach-Kanal
ECC	✓

Grafik	
Eingebaute Grafikadapter *	✗
Separater Grafikadapter *	✗
Eingebautes Grafikkartenmodell *	Nicht verfügbar
Separates Grafikkartenmodell *	Nicht verfügbar

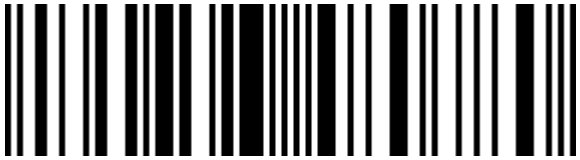
Merkmale	
Execute Disable Bit	✓
Leerlauf Zustände	✓

Merkmale	
Marktsegment	Server
Maximale Anzahl der PCI-Express-Lanes	40
PCI-Express-Slots-Version	3.0
Unterstützte Befehlssätze	AVX 2.0
Skalierbarkeit	2S
Physical Address Extension (PAE)	✓
CPU Konfiguration (max)	2
Eingebettete Optionen verfügbar	✗
Physical Address Extension (PAE)	46 Bit

Prozessor Besonderheiten	
Intel® Hyper-Threading-Technik (Intel® HT Technology)	✓
Intel® Identity-Protection-Technologie (Intel® IPT)	✗
Intel® Turbo-Boost-Technologie	2.0
Intel® Flex Memory Access	✗
Intel® AES New Instructions (Intel® AES-NI)	✓
Verbesserte Intel SpeedStep Technologie	✓
Intel® Trusted-Execution-Technik	✓
Intel® VT-x mit Extended Page Tables (EPT)	✓
Intel® Demand Based Switching	✓
Intel® Sicherer Schlüssel	✓
Intel® TSX-NI	✓
Intel® OS Guard	✓
Intel® 64	✓
Intel® Virtualization Technologie (VT-X)	✓
Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✓
Intel® vPro™ Platform Eligibility	✓

Betriebsbedingungen	
Tcase	74 °C

Merkmale
Thermal-Überwachungstechnologien ✔



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Catalog Object Cloud



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Publication date: 17-NOV-2026. Prints or copies of Information are only valid on the printed Publication date