Lenovo Intel Xeon E5-2637 v3 Prozessor 3,5 GHz 15 MB L3

Marke : Lenovo

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Produktname : Intel Xeon E5-2637 v3



Intel Xeon E5-2637 v3, 3.5 GHz (3.7 GHz Turbo), 15 MB Cache, 9.6 GT/s, 22 nm, 64 bit
Lenovo Intel Xeon E5-2637 v3. Prozessorfamilie: Intel® Xeon® E5 v3, Prozessorsockel: LGA 2011-v3, Prozessor Lithografie: 22 nm. Speicherkanäle: Vierfach-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 768 GB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Server, Unterstützte Befehlssätze: AVX 2.0, Skalierbarkeit: 2S. Breite: 45 mm, Tiefe: 52 mm, Höhe: 5 mm. Intel® Virtualisierungstechnik (Intel® VT): VT-d, VT-x

Prozessor	
Prozessor *	E5-2637V3
Grundfrequenz des Prozessors *	3,5 GHz
Prozessorfamilie *	Intel® Xeon® E5 v3
Anzahl Prozessorkerne *	4
Prozessorsockel *	LGA 2011-v3
Komponente für	Server/Arbeitsstation
Prozessor Lithografie *	22 nm
Prozessor-Threads	8
Systembus-Rate	9,6 GT/s
Prozessorbetriebsmodi *	64-Bit
Prozessor Boost-Frequenz	3,7 GHz
Prozessor-Cache	15 MB
Prozessor Cache Typ	L3
Thermal Design Power (TDP)	135 W
VID Spannungsbereich	0,65 - 1,30 V
Bus Typ	QPI
Anzahl der QPI links	2
Durch den Prozessor (max) unterstützte Speicherbandbreite	68 GB/s
Prozessor Codename	Haswell

Speicher	
Maximaler interner Speicher, vom Prozessor unterstützt	768 GB
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM
Speichertaktraten, vom Prozessor unterstützt	1600,1866,2133 MHz
Speicherkanäle *	Vierfach-Kanal
ECC	✔

Grafik	
Eingebaute Grafikadapter *	✘

Merkmale	
Execute Disable Bit	✔
Leerlauf Zustände	✔
Thermal-Überwachungstechnologien	✔
Marktsegment	Server
Maximale Anzahl der PCI-Express-Lanes	40
PCI-Express-Slots-Version	3.0

Merkmale	
Unterstützte Befehlssätze	AVX 2.0
Skalierbarkeit	2S
Eingebettete Optionen verfügbar	✘

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® Smart Cache	✔
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® Virtualization Technologie (VT-X)	✔
Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✔
Intel® vPro™ Platform Eligibility	✔

Betriebsbedingungen	
Tcase	76,6 °C

Gewicht und Abmessungen	
Breite	45 mm
Tiefe	52 mm
Höhe	5 mm
Gewicht	57 g

Sonstige Funktionen	
Intel® Virtualisierungstechnik (Intel® VT)	VT-d, VT-x

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Catalog Object Cloud

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