Lenovo Intel Xeon E5-4640 v2 Prozessor 2,2 GHz 20 MB L3



Marke : Lenovo

Artikel-Code: 00D1968

Produktname : Intel Xeon E5-4640 v2

Intel Xeon E5-4640 v2, 2.2 GHz (2.7 GHz Turbo), 20 MB Cache, 8 GT/s, 22 nm
Lenovo Intel Xeon E5-4640 v2. Prozessorfamilie: Intel® Xeon® E5-v2-Prozessoren, Prozessorsockel: LGA 2011 (Socket R), Prozessor Lithografie: 22 nm. Speicherkanäle: Vierfach-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 768 GB, Speichertypen, vom Prozessor unterstützt: DDR3-SDRAM. Marktsegment: Server, PCI Express Konfigurationen: 1x4, 1x8, 1x16, Unterstützte Befehlssätze: AVX. Intel® Virtualisierungstechnik (Intel® VT): VT-d, VT-x

Prozessor	
Prozessor *	E5-4640V2
Grundfrequenz des Prozessors *	2,2 GHz
Prozessorfamilie *	Intel® Xeon® E5-v2-Prozessoren
Anzahl Prozessorkerne *	10
Prozessorsockel *	LGA 2011 (Socket R)
Komponente für	Server/Arbeitsstation
Prozessor Lithografie *	22 nm
Prozessor-Threads	20
Systembus-Rate	8 GT/s
Prozessorbetriebsmodi *	64-Bit
Prozessor Boost-Frequenz	2,7 GHz
Prozessor-Cache	20 MB
Prozessor Cache Typ	L3
Thermal Design Power (TDP)	95 W
VID Spannungsbereich	0,65 - 1,3 V
Bus Typ	DMI2
Anzahl der QPI links	2
Durch den Prozessor (max) unterstützte Speicherbandbreite	59,7 GB/s
Prozessor Codename	Ivy Bridge

Speicher	
Maximaler interner Speicher, vom Prozessor unterstützt	768 GB
Speichertypen, vom Prozessor unterstützt	DDR3-SDRAM
Speichertaktraten, vom Prozessor unterstützt	800,1066,1333,1600,1866 MHz
Speicherkanäle *	Vierfach-Kanal
ECC	✔

Grafik	
Eingebaute Grafikadapter *	✘

Merkmale	
Execute Disable Bit	✔
Leerlauf Zustände	✔
Thermal-Überwachungstechnologien	✔
Marktsegment	Server

Merkmale	
Maximale Anzahl der PCI-Express-Lanes	40
PCI-Express-Slots-Version	3.0
PCI Express Konfigurationen	1x4, 1x8, 1x16
Unterstützte Befehlssätze	AVX
Skalierbarkeit	4S
CPU Konfiguration (max)	4
Eingebettete Optionen verfügbar	✘

Prozessor Besonderheiten	
Intel® Hyper-Threading-Technik (Intel® HT Technology)	✔
Intel® Turbo-Boost-Technologie	2.0
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® OS Guard	✔
Intel® Virtualization Technologie (VT-X)	✔
Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✔

Betriebsbedingungen	
Tcase	75 °C

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

Catalog Object Cloud



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Publication date: 21-NOV-2026. Prints or copies of Information are only valid on the printed Publication date