Lenovo Intel Xeon Platinum 8358 Prozessor 2,6 GHz 48 MB



Marke : Lenovo

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Produktname : Intel Xeon Platinum 8358

Lenovo Intel Xeon Platinum 8358. Prozessorfamilie: Intel® Xeon® Platinum, Prozessorsockel: LGA 4189, Prozessor Lithografie: 10 nm. Speicherkanäle: Okta-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 6 TB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Server, Unterstützte Befehlssätze: AVX, AVX 2.0, AVX-512, SSE4.2, Skalierbarkeit: 2S. Unterstützung der maximalen Enklavengröße für Intel® SGX: 64 GB

Prozessor	
Prozessorhersteller *	Intel
Prozessorgeneration	Skalierbare Intel® Xeon® der 3. Generation
Prozessor *	8358
Grundfrequenz des Prozessors *	2,6 GHz
Prozessorfamilie *	Intel® Xeon® Platinum
Anzahl Prozessorkerne *	32
Prozessorsockel *	LGA 4189
Prozessor Lithografie *	10 nm
Prozessor-Serien	Intel Xeon Platinum 8000 Series
Prozessor-Threads	64
Systembus-Rate	11,2 GT/s
Prozessorbetriebsmodi *	64-Bit
Prozessor Boost-Frequenz	3,4 GHz
Kerne mit hoher Priorität	12
Frequenz des Kerns mit hoher Priorität	2,8 GHz
Kerne mit niedriger Priorität	20
Frequenz des Kerns mit niedriger Priorität	2,4 GHz
Prozessor-Cache	48 MB
Thermal Design Power (TDP)	250 W
Bus Typ	UPI
Prozessor Codename	Ice Lake

Speicher	
Maximaler interner Speicher, vom Prozessor unterstützt	6 TB
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM
Speichertaktraten, vom Prozessor unterstützt	3200 MHz
Speicherkanäle *	Okta-Kanal
ECC	✔

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

Prozessor Besonderheiten	
Intel® Hyper-Threading-Technik (Intel® HT Technology)	✔
Intel® Turbo-Boost-Technologie	2.0
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel® Trusted-Execution-Technik	✔
Intel®-Speed-Shift-Technologie	✔
Intel® Transactional Synchronization Extensions	✔
Intel® Total Memory Encryption	✔
Intel® Crypto-Beschleunigung	✔
Unterstützung der Intel® Plattform-Firmware Resilience	✔
Unterstützung der maximalen Enklavengröße für Intel® SGX	64 GB
Intel® VT-x mit Extended Page Tables (EPT)	✔
Intel® Software Guard Extensions (Intel® SGX)	✔
Intel® 64	✔
Intel® Virtualization Technologie (VT-X)	✔
Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✔
Intel® Optane™ Memory-bereit	✔
AVX-512 Abgesicherte Multiply-Add (FMA) Einheiten	2
Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✔
Intel® Resource Director Technology (Intel® RDT)	✔
Intel® Volume Management Device (VMD)	✔
Intel® Run Sure Technology	✔
Modusbasierte Execute Control (MBE)	✔
Intel® Optane™ DC Persistent Memory unterstützt	✔
Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✔
Intel® Speed Select-Technologie – Kernleistung	✔

Merkmale	
Execute Disable Bit	✔
Marktsegment	Server
Maximale Anzahl der PCI-Express-Lanes	64
PCI-Express-Slots-Version	4.0
Unterstützte Befehlssätze	AVX, AVX 2.0, AVX-512, SSE4.2
Skalierbarkeit	2S
Eingebettete Optionen verfügbar	✕

Prozessor Besonderheiten	
Intel® Speed Select-Technologie – Turbofrequenz	✔

Betriebsbedingungen	
Tcase	81 °C

Catalog Object Cloud



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