

Intel Xeon E-2378 processor 2,6 GHz 16 MB Smart Cache

Merk : Intel

Productfamilie: Xeon

 Artikelcode:
CM8070804495612

Productnaam : E-2378

Intel Xeon E-2378. Processorfamilie: Intel Xeon E, Processor socket: LGA 1200 (Socket H5), Processor lithografie: 14 nm. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 128 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Server, PCI Express configuraties: 1x16+1x4, 2x8+1x4, 1x8+3x4, Ondersteunde instructie sets: SSE4.1, SSE4.2, AVX 2.0, AVX-512. Intel® Turbo Boost Technology 2.0 frequency: 4,8 GHz, Ondersteuning voor maximale enclavegrootte voor Intel® SGX: 0,5 GB. Verpakkingsgrootte processor: 37,5 x 37,5 mm



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processormodel *	E-2378	Intel® Turbo Boost Technology	2.0
Basisfrequentie processor *	2,6 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processorfamilie *	Intel Xeon E	Enhanced Intel SpeedStep Technology	✓
Aantal processorkernen *	8	Intel® Trusted Execution Technology	✓
Processor socket *	LGA 1200 (Socket H5)	Intel® Memory Protection Extensions (Intel® MPX)	✓
Component voor	Server/werkplaats	Intel® Turbo Boost Technology 2.0 frequency	4,8 GHz
Processor lithografie *	14 nm	Intel® Transactional Synchronization Extensions	✗
Processor aantal threads	16	Ondersteuning voor maximale enclavegrootte voor Intel® SGX	0,5 GB
Systeembus	8 GT/s	Intel® VT-x with Extended Page Tables (EPT)	✓
Processor operating modes *	64-bit	Intel® Secure Key	✓
Maximale turbofrequentie van processor	4,8 GHz	Intel® OS Guard	✓
Processor cache	16 MB	Intel® Software Guard Extensions (Intel® SGX)	✓
Processor cache type	Smart Cache	Intel® 64	✓
Thermal Design Power (TDP)	65 W	Intel® Virtualization Technology (VT-x)	✓
Box *	✗	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Inclusief koeler *	✗	Intel® Boot Guard	✓
ARK ID processor	212261	Intel® Optane™ DC Persistent Memory ondersteunt	✗
		Intel® vPro™ Platform Eligibility	✓
Geheugen		Eisen aan de omgeving	
Maximaal intern geheugen ondersteund door processor	128 GB	Tjunction	100 °C
Geheugentypen ondersteund door processor	DDR4-SDRAM	Technische details	
Geheugen kanaal *	Dubbelkanaals	Lanceringsdatum	Q3'21
ECC	✓	Status	Launched
		Ondersteunde geheugen types	DDR4-SDRAM
		Onderhoudsstatus	Baseline Servicing
Grafisch		Logistieke gegevens	
Ingebouwde grafische adapter *	✗	Code geharmoniseerd systeem (HS)	85423119
Aparte grafische adapter *	✗		
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Marktsegment	Server		
Maximaal aantal PCI Express-lijnen	20		
PCI Express slots versie	4.0		
PCI Express configuraties	1x16+1x4, 2x8+1x4, 1x8+3x4		
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0, AVX-512		

Kenmerken		Gewicht en omvang	
Schaalbaarheid	15	Verpakkingsgrootte processor	37.5 x 37.5 mm
CPU configuratie (max)	1	Overige specificaties	
Export Control Classification Number (ECCN)	5A992CN3	Maximum intern geheugen	128 GB
Commodity Classification Automated Tracking System (CCATS)	G167599		



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