

Intel Xeon E-2378G processor 2,8 GHz 16 MB Smart Cache

Merk : Intel

Productfamilie: Xeon

 Artikelcode:
CM8070804494916

Productnaam : E-2378G

Intel Xeon E-2378G. 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. On-board graphics adapter model: Intel UHD Graphics P750, Maximaal geheugen ingebouwde grafische adapter: 64 GB, Basisfrequentie ingebouwde grafische adapter: 350 MHz. 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: 5,1 GHz, Ondersteuning voor maximale enclavegrootte voor Intel® SGX: 0,5 GB



Processor		Kenmerken	
Processorfabrikant *	Intel	Export Control Classification Number (ECCN)	5A992CN3
Processormodel *	E-2378G	Commodity Classification Automated Tracking System (CCATS)	G167599
Basisfrequentie processor *	2,8 GHz	Processor speciale functies	
Processorfamilie *	Intel Xeon E		
Aantal processorkernen *	8	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor socket *	LGA 1200 (Socket H5)	Intel® Turbo Boost Technology	2.0
Component voor	Server/werkplaats	Intel® Quick Sync Video Technology	✓
Processor lithografie *	14 nm	Intel® InTru™ 3D Technology	✓
Processor aantal threads	16	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Systeembus	8 GT/s	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor operating modes *	64-bit	Enhanced Intel SpeedStep Technology	✓
Maximale turbofrequentie van processor	5,1 GHz	Intel® Trusted Execution Technology	✓
Processor cache	16 MB	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology 2.0 frequency	5,1 GHz
Thermal Design Power (TDP)	80 W	Intel® Transactional Synchronization Extensions	✗
Box *	✗	Ondersteuning voor maximale enclavegrootte voor Intel® SGX	0,5 GB
Inclusief koeler *	✗	Intel® VT-x with Extended Page Tables (EPT)	✓
ARK ID processor	212262	Intel® Secure Key	✓
Geheugen		Intel® OS Guard	✓
Maximaal intern geheugen ondersteund door processor	128 GB	Intel® Clear Video-technologie	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® Software Guard Extensions (Intel® SGX)	✓
Geheugen kanaal *	Dubbelkanaals	Intel® 64	✓
ECC	✓	Intel® Virtualization Technology (VT-x)	✓
Grafisch		Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Ingebouwde grafische adapter *	✓	Intel® Boot Guard	✓
Aparte grafische adapter *	✗	Intel® Optane™ DC Persistent Memory ondersteunt	✗
On-board graphics adapter model *	Intel UHD Graphics P750	Intel® vPro™ Platform Eligibility	✓
Maximaal geheugen ingebouwde grafische adapter	64 GB		
Basisfrequentie ingebouwde grafische adapter	350 MHz		
Graphics on-board -adapter dynamische frequentie (max)	1300 MHz		
4K-ondersteuning	✓		
On-board grafische adapter OpenGL versie	4.5		

Grafisch		Eisen aan de omgeving	
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Tjunction	100 °C
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	60 Hz	Technische details	
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	60 Hz	Lanceringsdatum	Q3'21
Discreet grafische adapter model *	Niet beschikbaar	Status	Launched
Aantal verwerkingseenheden	32	Ondersteunde geheugen types	DDR4-SDRAM
Kenmerken		Onderhoudsstatus	Baseline Servicing
Execute Disable Bit	✓	Logistieke gegevens	
Idle States	✓	Code geharmoniseerd systeem (HS)	85423119
Thermal Monitoring Technologies	✓	Verpakking	
Marktsegment	Server	Type verpakking	Retaildoos
Maximaal aantal PCI Express-lijnen	20	Gewicht en omvang	
PCI Express slots versie	4.0	Verpakkingsgrootte processor	37.5 x 37.5 mm
PCI Express configuraties	1x16+1x4, 2x8+1x4, 1x8+3x4	Overige specificaties	
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0, AVX-512	Maximum intern geheugen	128 GB
Schaalbaarheid	1S		
CPU configuratie (max)	1		



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