

Intel Xeon E-2176G processor 3,7 GHz 12 MB Smart Cache

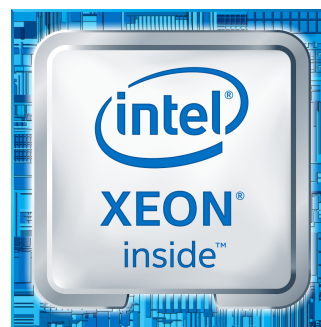
Merk : Intel

Productfamilie: Xeon

Artikelcode:
CM8068403380018

Productnaam : E-2176G

Intel Xeon E-2176G. Processorfamilie: Intel Xeon E, Processor socket: LGA 1151 (Socket H4), 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 P630, Maximaal geheugen ingebouwde grafische adapter: 128 GB, On-board ondersteunde grafische adapter uitgangen: Embedded DisplayPort (eDP), DisplayPort, HDMI, DVI. Marktsegment: Server, PCI Express configuraties: 1x16, 2x8, 1x8+2x4, Ondersteunde instructie sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 4,7 GHz



Processor		Kenmerken	
Processorfabrikant *	Intel	Commodity Classification	
Processormodel *	E-2176G	Automated Tracking System (CCATS)	G077159
Basisfrequentie processor *	3,7 GHz	Processor speciale functies	
Processorfamilie *	Intel Xeon E	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Aantal processorkernen *	6	Intel® Turbo Boost Technology	2.0
Processor socket *	LGA 1151 (Socket H4)	Intel® Quick Sync Video Technology	✓
Component voor	Server/werkplaats	Intel® InTru™ 3D Technology	✓
Processor lithografie *	14 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor aantal threads	12	Intel® AES New Instructions (Intel® AES-NI)	✓
Systeembus	8 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor operating modes *	64-bit	Intel® Trusted Execution Technology	✓
Maximale turbofrequentie van processor	4,7 GHz	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor cache	12 MB	Intel® Turbo Boost Technology 2.0 frequency	4,7 GHz
Processor cache type	Smart Cache	Intel® Transactional Synchronization Extensions	✓
Thermal Design Power (TDP)	80 W	Intel® Enhanced Halt State	✓
Box *	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel® CVT for MID)	✓
Inclusief koeler *	✗	Intel® VT-x with Extended Page Tables (EPT)	✓
Stepping	U0	Intel® Secure Key	✓
Bus type	DMI3	Intel® TSX-NI	✓
Geheugenbandbreedte ondersteund door de processor (max)	41,6 GB/s	Intel® OS Guard	✓
Codenaam processor	Coffee Lake	Intel® Clear Video-technologie	✓
Processorcode	SR3WS	Intel® Software Guard Extensions (Intel® SGX)	✓
ARK ID processor	134860	Intel® 64	✓
Geheugen		Versie Intel® Secure Key Technology	1,00
Maximaal intern geheugen ondersteund door processor	128 GB	Intel® Virtualization Technology (VT-x)	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Klokgeheugen-snelheden ondersteund door processor	2666 MHz	Versie Intel® TSX-NI	1,00
Geheugen kanaal *	Dubbelkanaals	Intel® Optane™ Memory Ready	✓
ECC	✓		
Grafisch			
Ingebouwde grafische adapter *	✓		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Intel UHD Graphics P630		
Maximaal geheugen ingebouwde grafische adapter	128 GB		

Grafisch		Processor speciale functies	
On-board ondersteunde grafische adapter uitgangen	Embedded DisplayPort (eDP), DisplayPort, HDMI, DVI	Intel® Boot Guard	✓
Basisfrequentie ingebouwde grafische adapter	350 MHz	Intel® vPro™ Platform Eligibility	✓
Graphics on-board -adapter dynamische frequentie (max)	1200 MHz	Eisen aan de omgeving	
Aantal displays ondersteund (door on-board grafische adapter)	3	Tjunction	100 °C
4K-ondersteuning	✓	Technische details	
On-board grafische adapter DirectX-versie	12.0	Bandbreedte bus	8
On-board grafische adapter OpenGL versie	4.5	Type buseenheden	GT/s
Graphics aan boord maximale resolutie adapter (DisplayPort)	4096 x 2304 Pixels	Lanceringsdatum	Q3'18
Maximale resolutie (eDP - Integrated Flat Panel)	4096 x 2304 Pixels	Maximale resolutie & verversingsfrequentie (DisplayPort)	4096x2304@60Hz
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2160 Pixels	Maximale resolutie & verversingsfrequentie (HDMI)	4096x2160@24Hz
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Maximale resolutie & verversingsfrequentie (Integrated Flat Panel)	4096x2304@60Hz
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	60 Hz	Maximale resolutie & verversingsfrequentie (VGA)	N/A
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	24 Hz	Processorcache	12288 KB
On-board grafische adapter ID	0x3E96	Type product	Processor
Discreet grafische adapter model *	Niet beschikbaar	Status	Launched
Kenmerken		Maximaal geheugen	128 GB
Execute Disable Bit	✓	Merknaam processor	Intel Xeon
Idle States	✓	Ondersteunde geheugen types	DDR4-SDRAM
Thermal Monitoring Technologies	✓	Laatste wijziging	63903513
Marktsegment	Server	Productfamilie	Intel Xeon Processors
Maximaal aantal PCI Express-lijnen	16	Bussnelheid	8 GT/s
PCI Express slots versie	3.0	Maximaal geheugen grafische adapter	128 GB
PCI Express configuraties	1x16, 2x8, 1x8+2x4	Processor-id	0x3E96
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0	Onderhoudsstatus	Baseline Servicing
Schaalbaarheid	1S	Logistieke gegevens	
CPU configuratie (max)	1	Code geharmoniseerd systeem (HS)	85423119
Ingebouwde opties beschikbaar	✓	Verpakking	
PCI Express CEM revisie	3.0	Breedte verpakking	70 mm
Export Control Classification Number (ECCN)	5A992C	Diepte verpakking	116 mm
		Hoogte verpakking	101 mm
		Gewicht verpakking	316,1 g
		Type verpakking	Retaildoos
		Gewicht en omvang	
		Verpakkingsgrootte processor	37.5 x 37.5 mm
		Overige specificaties	
		Maximum intern geheugen	128 GB
		Maximaal intern geheugen	65536 MB
		Grafische uitvoer	eDP/DP/HDMI/DVI
		Videodecodering	✓



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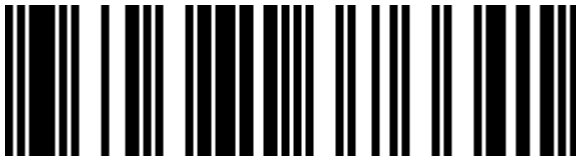
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