

Intel Core i3-6100 processor 3,7 GHz 3 MB Smart Cache

Merk : Intel

Productfamilie: Core

Artikelcode:
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Productnaam : i3-6100

Core i3-6100 Processor (3M Cache, 3.70 GHz)

Intel Core i3-6100. Processorfamilie: Intel® Core™ i3, Processor socket: LGA 1151 (Socket H4), Processor lithografie: 14 nm. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 64 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM, DDR3L-SDRAM. On-board graphics adapter model: Intel® HD Graphics 530, Maximaal geheugen ingebouwde grafische adapter: 64 GB, On-board ondersteunde grafische adapter uitgangen: Embedded DisplayPort (eDP), DisplayPort, HDMI, DVI. Marktsegment: Desktop, PCI Express configuraties: 1x16, 2x8, 1x8+2x4, Ondersteunde instructie sets: SSE4.1, SSE4.2, AVX 2.0. Type verpakking: Retaildoos



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processorgeneratie	Zesde generatie Intel® Core™ i3	Intel® Dual Display Capable Technology	✗
Processormodel *	i3-6100	Intel® Insider™	✓
Basisfrequentie processor *	3,7 GHz	Intel® Fast Memory Access	✗
Processorfamilie *	Intel® Core™ i3	Intel® Flex Memory Access	✗
Aantal processorkernen *	2	Intel® Smart Cache	✓
Processor socket *	LGA 1151 (Socket H4)	Intel® AES New Instructions (Intel® AES-NI)	✓
Component voor	PC	Enhanced Intel SpeedStep Technology	✓
Processor lithografie *	14 nm	Intel® Trusted Execution Technology	✗
Processorserie	Intel Core i3-6100 Desktop series	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor aantal threads	4	Intel® Transactional Synchronization Extensions	✗
Systeembus	8 GT/s	Intel® Enhanced Halt State	✓
Processor operating modes *	64-bit	Intel® Clear Video Technology for Mobile Internet Devices (Intel® CVT for MID)	✓
Processor cache	3 MB	Intel® VT-x with Extended Page Tables (EPT)	✓
Processor cache type	Smart Cache	Intel® Demand Based Switching	✗
Thermal Design Power (TDP)	51 W	Intel® Secure Key	✓
Box *	✗	Intel® TSX-NI	✗
Inclusief koeler *	✗	Intel® Rapid Storage Technology	✗
Generatie	6th Generation	Intel® Stable Image Platform Program (SIPP)	✗
Stepping	S0	Intel® OS Guard	✓
FSB Parity	✗	Intel® Small Business Advantage (Intel® SBA)	✓
Bus type	DMI3	Intel® Clear Video-technologie	✓
Geheugenbandbreedte ondersteund door de processor (max)	34,1 GB/s	Intel® Software Guard Extensions (Intel® SGX)	✓
Codenaam processor	Skylake	Intel® 64	✓
ARK ID processor	90729	Versie Intel® Identity Protection Technology	1,00
Geheugen		Versie Intel® Secure Key Technology	1,00
Maximaal intern geheugen ondersteund door processor	64 GB	Intel® Small Business Advantage (SBA)-versie	1,00
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR3L-SDRAM		
Klokgeheugen-snelheden ondersteund door processor	1866,1333,2133,1600 MHz		
Geheugen kanaal *	Dubbelkanaals		
Voltage geheugen ondersteund door processor	1,35 V		
ECC	✓		
Grafisch			
Ingebouwde grafische adapter *	✓		
On-board graphics adapter model *	Intel® HD Graphics 530		

Grafisch		Processor speciale functies	
Maximaal geheugen ingebouwde grafische adapter	64 GB	Versie Intel® Stable Image Platform Program (SIPP)	0,00
On-board ondersteunde grafische adapter uitgangen	Embedded DisplayPort (eDP), DisplayPort, HDMI, DVI	Intel® Virtualization Technology (VT-x)	✓
Basisfrequentie ingebouwde grafische adapter	350 MHz	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Graphics on-board -adapter dynamische frequentie (max)	1050 MHz	Versie Intel® TSX-NI	0,00
Aantal displays ondersteund (door on-board grafische adapter)	3	Conflictvrije processor	✓
4K-ondersteuning	✓	Intel® Optane™ Memory Ready	✗
On-board grafische adapter DirectX-versie	12.0	Intel® Boot Guard	✓
On-board grafische adapter OpenGL versie	4.5	Intel® vPro™ Platform Eligibility	✗
Graphics aan boord maximale resolutie adapter (DisplayPort)	4096 x 2304 Pixels	Eisen aan de omgeving	
Maximale resolutie (eDP - Integrated Flat Panel)	4096 x 2304 Pixels	Tcase	65 °C
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2304 Pixels	Technische details	
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Introductiedatum	Q3'15
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	60 Hz	Bandbreedte bus	8
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	24 Hz	Type buseenheden	GT/s
On-board grafische adapter ID	0x1912	Max. grafische dynamische frequentie	1.05 GHz
Kenmerken		Lanceringsdatum	Q3'15
Execute Disable Bit	✓	Maximale resolutie & verversingsfrequentie (DisplayPort)	4096x2304@60Hz
Idle States	✓	Maximale resolutie & verversingsfrequentie (HDMI)	4096x2304@24Hz
Thermal Monitoring Technologies	✓	Maximale resolutie & verversingsfrequentie (Integrated Flat Panel)	4096x2304@60Hz
Marktsegment	Desktop	Maximale resolutie & verversingsfrequentie (VGA)	N/A
Maximaal aantal PCI Express-lijnen	16	OpenGL-ondersteuning	✓
PCI Express slots versie	3.0	Processorcache	3072 KB
PCI Express configuraties	1x16, 2x8, 1x8+2x4	Productnaam	Intel Core i3-6100 (3M Cache, 3.70 GHz)
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0	Type product	Processor
Schaalbaarheid	15	Status	Launched
CPU configuratie (max)	1	Videocompressieformaten	✓
Ingebouwde opties beschikbaar	✓	Maximum geheugen grafische adapter	1740 MB
Graphics & IMC lithografie	14 nm	Maximaal geheugen	64 GB
Thermal solution specificatie	PCG 2015C	Merknaam processor	Intel Core i3 Intel Core i3 Processor
PCI Express CEM revisie	3.0	Ondersteunde geheugen types	DDR4-SDRAM, DDR3L-SDRAM
Export Control Classification Number (ECCN)	5A992C	Laatste wijziging	63903513
Commodity Classification Automated Tracking System (CCATS)	G077159	Maximale resolutie (WiDi)	1080p
Processor speciale functies		Productfamilie	6th Generation Intel Core i3 Processors
Intel® Anti-Theft Technology (Intel® AT)	✗	Bussnelheid	8 GT/s
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Maximaal geheugen grafische adapter	64 GB
Intel® Identity Protection Technology (Intel® IPT)	✓	Processor-id	0x1912
Intel® My WiFi Technology (Intel® MWT)	✗	Onderhoudsstatus	End of Servicing Lifetime
Intel® Turbo Boost Technology	✗	Datum einde onderhoudsupdates	Friday, September 30, 2022
Intel® Quick Sync Video Technology	✓	Logistieke gegevens	
Intel® InTru™ 3D Technology	✓	Code geharmoniseerd systeem (HS)	85423119
Intel® Wireless Display (Intel® WiDi)	✓	Verpakking	
Intel® FDI Technology	✗	Type verpakking	Retaildoos
		Gewicht en omvang	
		Verpakkingsgrootte processor	37.5 x 37.5 mm
		Overige specificaties	
		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
		Maximum intern geheugen	64 GB

Overige specificaties

Maximaal intern geheugen	65536 MB
Grafische uitvoer	eDP/DP/HDMI/DVI
Cache memory	3 MB
Videodecodering	✓



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