

Intel Core i5-8600 processor 3,1 GHz 9 MB Smart Cache Box

Merk : Intel

Productfamilie: Core

Artikelcode: BX80684I58600

Productnaam : i5-8600

Intel Core i5-8600. Processorfamilie: Intel® Core™ i5, 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. On-board graphics adapter model: Intel® UHD Graphics 630, Maximaal geheugen ingebouwde grafische adapter: 64 GB, Basisfrequentie ingebouwde grafische adapter: 350 MHz. Marktsegment: Desktop, PCI Express configuraties: 1x16, 2x8, 1x8+2x4, Ondersteunde instructie sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 4,3 GHz



Processor		Kenmerken	
Processorfabrikant *	Intel	Commodity Classification	
Processorgeneratie	Intel® 8de generatie Core™ i5	Automated Tracking System (CCATS)	G077159
Processormodel *	i5-8600	Processor speciale functies	
Basisfrequentie processor *	3,1 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processorfamilie *	Intel® Core™ i5	Intel® Identity Protection Technology (Intel® IPT)	✓
Aantal processorkernen *	6	Intel® Turbo Boost Technology	2.0
Processor socket *	LGA 1151 (Socket H4)	Intel® Quick Sync Video Technology	✓
Component voor	PC	Intel® InTru™ 3D Technology	✓
Processor lithografie *	14 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processorserie	Intel Core i5-8600 Desktop Series	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor aantal threads	6	Enhanced Intel SpeedStep Technology	✓
Systeembus	8 GT/s	Intel® Trusted Execution Technology	✓
Processor operating modes *	64-bit	Intel® Memory Protection Extensions (Intel® MPX)	✓
Maximale turbofrequentie van processor	4,3 GHz	Intel® Turbo Boost Technology 2.0 frequency	4,3 GHz
Processor cache	9 MB	Intel® Transactional Synchronization Extensions	✓
Processor cache type	Smart Cache	Intel® Enhanced Halt State	✓
Thermal Design Power (TDP)	65 W	Intel® Clear Video Technology for Mobile Internet Devices (Intel® CVT for MID)	✓
Box *	✓	Intel® VT-x with Extended Page Tables (EPT)	✓
Inclusief koeler *	✓	Intel® Secure Key	✓
Generatie	8th Generation		
Compatibele chipsets	Intel Q370, Intel® H310, Intel® H370, Intel® B360, Intel® Z370		
Stepping	U0		
Bus type	DMI3		
Geheugenbandbreedte ondersteund door de processor (max)	41,6 GB/s		
Codenaam processor	Coffee Lake		
Processorcode	SR3X0		

Processor		Processor speciale functies	
ARK ID processor	129937	Intel® TSX-NI	✓
Geheugen		Intel® Stable Image Platform Program (SIPP)	✓
Maximaal intern geheugen ondersteund door processor	64 GB	Intel® OS Guard	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® Clear Video-technologie	✓
Klokgeheugen-snelheden ondersteund door processor	2666 MHz	Intel® Software Guard Extensions (Intel® SGX)	✓
Geheugen kanaal *	Dubbelkanaals	Intel® 64	✓
ECC	✗	Versie Intel® Identity Protection Technology	1,00
Grafisch		Versie Intel® Secure Key Technology	1,00
Ingebouwde grafische adapter *	✓	Versie Intel® Stable Image Platform Program (SIPP)	1,00
Aparte grafische adapter *	✗	Intel® Virtualization Technology (VT-x)	✓
On-board graphics adapter model *	Intel® UHD Graphics 630	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Maximaal geheugen ingebouwde grafische adapter	64 GB	Versie Intel® TSX-NI	1,00
Basisfrequentie ingebouwde grafische adapter	350 MHz	Conflictvrije processor	✓
Graphics on-board -adapter dynamische frequentie (max)	1150 MHz	Intel® Optane™ Memory Ready	✓
Aantal displays ondersteund (door on-board grafische adapter)	3	Intel® Boot Guard	✓
4K-ondersteuning	✓	Intel® vPro™ Platform Eligibility	✓
On-board grafische adapter DirectX-versie	12.0	Eisen aan de omgeving	
On-board grafische adapter OpenGL versie	4.5	Tjunction	100 °C
Graphics aan boord maximale resolutie adapter (DisplayPort)	4096 x 2304 Pixels	Technische details	
Maximale resolutie (eDP - Integrated Flat Panel)	4096 x 2304 Pixels	Bandbreedte bus	8
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2304 Pixels	Type buseenheden	GT/s
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Lanceringsdatum	Q2'18
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	60 Hz	Maximale resolutie & verversingsfrequentie (DisplayPort)	4096x2304@60Hz
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	24 Hz	Maximale resolutie & verversingsfrequentie (HDMI)	4096x2304@24Hz
On-board grafische adapter ID	0x3E92	Maximale resolutie & verversingsfrequentie (Integrated Flat Panel)	4096x2304@60Hz
Discreet grafische adapter model *	Niet beschikbaar	Processorcache	9216 KB
Kenmerken		Type product	Processor
Execute Disable Bit	✓	Status	Discontinued
Idle States	✓	Maximaal geheugen	128 GB
Thermal Monitoring Technologies	✓	Merknaam processor	8th Gen Intel Core i5 8th Gen Intel Core i5 Processor
Marktsegment	Desktop	Ondersteunde geheugen types	DDR4-SDRAM
Maximaal aantal PCI Express-lijnen	16	Laatste wijziging	63903513
PCI Express slots versie	3.0	Productfamilie	Intel Core Processors
PCI Express configuraties	1x16, 2x8, 1x8+2x4	Bussnelheid	8 GT/s
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0	Maximaal geheugen grafische adapter	64 GB
Schaalbaarheid	15	Processor-id	0x3E92
CPU configuratie (max)	1	Logistieke gegevens	
Ingebouwde opties beschikbaar	✗	Code geharmoniseerd systeem (HS)	85423119
Thermal solution specificatie	PCG 2015C	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	338 g
		Type verpakking	Retaildoos
		Gewicht en omvang	
		Verpakkingsgrootte processor	37.5 x 37.5 mm
		Overige specificaties	
		Maximum intern geheugen	128 GB

Overige specificaties

Maximaal intern geheugen

65536 MB



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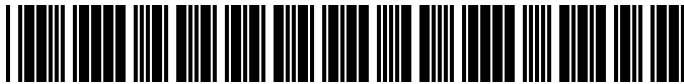
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