

## Intel Core i5-7600 processor 3.5 GHz 6 MB Smart Cache

**Brand :** Intel

**Product family:** Core

**Product code:**  
CM8067702868011

**Product name :** i5-7600

Intel® Core™ i5-7600 Processor  
(6M Cache, up to 4.1 GHz)

Intel Core i5-7600. Processor family: Intel® Core™ i5, Processor socket: LGA 1151 (Socket H4), Processor lithography: 14 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 64 GB, Memory types supported by processor: DDR4-SDRAM, DDR3L-SDRAM. On-board graphics card model: Intel® HD Graphics 630, Maximum on-board graphics card memory: 64 GB, On-board graphics card base frequency: 350 MHz. Market segment: Desktop, PCI Express configurations: 1x16, 2x8, 1x8+2x4, Supported instruction sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 4.1 GHz

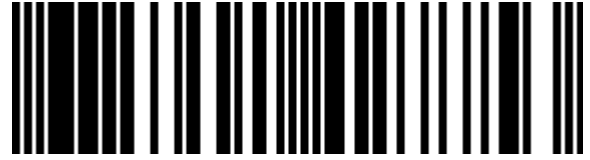


Processor		Features	
Processor manufacturer *	Intel	Commodity Classification	
Processor generation	7th gen Intel® Core™ i5	Automated Tracking System (CCATS)	G077159
Processor model *	i5-7600	<b>Processor special features</b>	
Processor base frequency *	3.5 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor family *	Intel® Core™ i5	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores *	4	Intel® Turbo Boost Technology	2.0
Processor socket *	LGA 1151 (Socket H4)	Intel® Quick Sync Video Technology	✓
Component for	PC	Intel® InTru™ 3D Technology	✓
Processor lithography *	14 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor series	Intel Core i5-7600 Desktop Series	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor threads	4	Enhanced Intel SpeedStep Technology	✓
System bus rate	8 GT/s	Intel Trusted Execution Technology	✓
Processor operating modes *	64-bit	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor boost frequency	4.1 GHz	Intel® Turbo Boost Technology 2.0 frequency	4.1 GHz
Processor cache	6 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)	✓
Cooler included *	✗	Intel® Secure Key	✓
Generation	7th Generation	Intel TSX-NI	✓
Compatible chipsets	Intel® B150, Intel® H110, Intel® H170, Intel Q150, Intel® Q170, Intel® Z170	Intel Stable Image Platform Program (SIPP)	✓
Stepping	B0		
Bus type	DMI3		
Processor codename	Kaby Lake		
Processor code	SR334		
Processor ARK ID	97150		
<b>Memory</b>			
Maximum internal memory supported by processor	64 GB		

Memory		Processor special features	
Memory types supported by processor	DDR4-SDRAM, DDR3L-SDRAM	Intel® OS Guard	✓
Memory clock speeds supported by processor	1333,1600,2133,2400 MHz	Intel Clear Video Technology	✓
Memory voltage supported by processor	1.35 V	Intel Software Guard Extensions (Intel SGX)	✓
Memory channels *	Dual-channel	Intel 64	✓
ECC	✗	Intel Identity Protection Technology version	1.00
<b>Graphics</b>		Intel Secure Key Technology version	1.00
On-board graphics card *	✓	Intel Stable Image Platform Program (SIPP) version	1.00
On-board graphics card model *	Intel® HD Graphics 630	Intel Virtualization Technology (VT-x)	✓
Maximum on-board graphics card memory	64 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card base frequency	350 MHz	Intel TSX-NI version	1.00
On-board graphics card dynamic frequency (max)	1150 MHz	Conflict-Free processor	✓
Number of displays supported (on-board graphics)	3	Intel® Optane™ Memory Ready	✓
On-board graphics card 4K support	✓	Intel® Boot Guard	✓
On-board graphics card DirectX version	12.0	Intel® vPro™ Platform Eligibility	✓
On-board graphics card OpenGL version	4.5	<b>Operational conditions</b>	
On-board graphics card maximum resolution (DisplayPort)	4096 x 2304 pixels	Tjunction	100 °C
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	4096 x 2304 pixels	<b>Technical details</b>	
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels	Bus bandwidth	8
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Bus type units	GT/s
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Launch date	Q1'17
On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz	Maximum resolution & refresh rate (DisplayPort)	4096x2304@60Hz
On-board graphics card ID	5912	Maximum resolution & refresh rate (HDMI)	4096x2304@24Hz
<b>Features</b>		Maximum resolution & refresh rate (Integrated Flat Panel)	4096x2304@60Hz
Execute Disable Bit	✓	Processor cache	6144 KB
Idle States	✓	Product type	Processor
Thermal Monitoring Technologies	✓	Status	Discontinued
Market segment	Desktop	Maximum memory	64 GB
Maximum number of PCI Express lanes	16	Processor brand name	7th Gen Intel Core i5 processors
PCI Express slots version	3.0	Supported memory types	DDR4-SDRAM, DDR3L-SDRAM
PCI Express configurations	1x16, 2x8, 1x8+2x4	Last change	63903513
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Product family	7th Generation Intel Core i5 Processors
Scalability	1S	Bus speed	8 GT/s
CPU configuration (max)	1	Maximum graphics card memory	64 GB
Embedded options available	✗	Processor ID	0x5912
Thermal solution specification	PCG 2015C	<b>Logistics data</b>	
PCI Express CEM revision	3.0	Harmonized System (HS) code	8542310001
Export Control Classification Number (ECCN)	5A992C	<b>Packaging data</b>	
		Package type	Retail box
		<b>Weight &amp; dimensions</b>	
		Processor package size	37.5 x 37.5 mm
		<b>Other features</b>	
		Maximum internal memory	64 GB
		Maximum internal memory	65536 MB
		Video decoding	✓



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