

## Intel Core i5-3570S processor 3.1 GHz 6 MB Smart Cache

**Brand :** Intel

**Product family:** Core

**Product code:**  
CM8063701093901

**Product name :** i5-3570S

Intel® Core™ i5-3570S Processor  
(6M Cache, up to 3.80 GHz)

[Intel Core i5-3570S processor 3.1 GHz 6 MB Smart Cache:](#)



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The most popular members of our Intel® Core™ processor family, the Intel® Core™ i5 processors deliver amazing performance with stunning visuals on your Ultrabook™ or All-in-One or Standard PC, whether it's a laptop or desktop. The Intel Core i5 processors include many technologies that deliver incredible PC and visual experiences for all of your favorite activities—whether you're creating, sharing, exploring, or gaming.



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor generation	3rd gen Intel® Core™ i5	Intel® Turbo Boost Technology	2.0
Processor model *	i5-3570S	Intel® Quick Sync Video Technology	✓
Processor base frequency *	3.1 GHz	Intel® InTru™ 3D Technology	✓
Processor family *	Intel® Core™ i5	Intel® Wireless Display (Intel® WiDi)	✓
Processor cores *	4	Intel FDI Technology	✓
Processor socket *	LGA 1155 (Socket H2)	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Component for	PC	Intel® Insider™	✓
Processor lithography *	22 nm	Intel Fast Memory Access	✓
Processor series	Intel Core i5-3500 Desktop series	Intel Flex Memory Access	✓
Processor threads	4	Intel® AES New Instructions (Intel® AES-NI)	✓
System bus rate	5 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor operating modes *	64-bit	Intel Trusted Execution Technology	✓
Processor boost frequency	3.8 GHz	Intel® Turbo Boost Technology 2.0 frequency	3.8 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 VT-x with Extended Page Tables (EPT)	✓
Box *	✗	Intel® Secure Key	✓
Cooler included *	✗	Intel TSX-NI	✗
Generation	3rd Generation	Intel 64	✓
Compatible chipsets	Intel® B75 Express, Intel® H77 Express, Intel® Z75 Express, Intel® Z77 Express	Intel Identity Protection Technology version	1.00
Bus type	DMI	Intel Secure Key Technology version	1.00
CPU multiplier (bus/core ratio)	31	Intel Virtualization Technology (VT-x)	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor codename	Ivy Bridge	Intel TSX-NI version	0.00
Processor ARK ID	65701	Conflict-Free processor	✓
<b>Memory</b>		Intel® vPro™ Platform Eligibility	✓
Maximum internal memory supported by processor	32 GB	<b>Operational conditions</b>	
Memory types supported by processor	DDR3-SDRAM	Tcase	69.1 °C
Memory clock speeds supported by processor	1333,1600 MHz		
Memory channels *	Dual-channel		
ECC	✗		
<b>Graphics</b>			
On-board graphics card *	✓		

Graphics		Technical details	
On-board graphics card model *	Intel® HD Graphics 2500	Born on date	Q2'12
On-board graphics card base frequency	650 MHz	Bus bandwidth	5
On-board graphics card dynamic frequency (max)	1150 MHz	Bus type units	GT/s
Number of displays supported (on-board graphics)	3	Graphics max dynamic frequency	1.15 GHz
On-board graphics card ID	0x152	Launch date	Q2'12
<b>Features</b>		Processor cache	6144 KB
Execute Disable Bit	✓	Product name	Intel Core i5-3570S (6M Cache, up to 3.80 GHz)
Idle States	✓	Product type	Processor
Thermal Monitoring Technologies	✓	Status	Discontinued
Market segment	Desktop	Maximum memory	32 GB
PCI Express slots version	3.0	Processor brand name	Intel Core i5 vPro Intel Core i5 vPro Processor
PCI Express configurations	1x16, 2x8, 1x8, 2x4	Supported memory types	DDR3-SDRAM
Supported instruction sets	SSE4.1, SSE4.2, AVX	Last change	63903513
CPU configuration (max)	1	Product family	3rd Generation Intel Core i5 Processors
Embedded options available	✗	Bus speed	5 GT/s
Thermal solution specification	PCG 2011C	Processor ID	0x152
PCI Express CEM revision	3.0	<b>Logistics data</b>	
Export Control Classification Number (ECCN)	5A992C	Harmonized System (HS) code	8542310001
Commodity Classification Automated Tracking System (CCATS)	G077159	<b>Weight &amp; dimensions</b>	
Images Type Map	✗	Processor package size	37.5 x 37.5 mm
<b>Processor special features</b>		<b>Other features</b>	
Intel® Anti-Theft Technology (Intel® AT)	✓	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Intel® Hyper Threading Technology (Intel® HT Technology)	✗	On-board memory controller	✓
		Maximum internal memory	32 GB
		Maximum internal memory	32768 MB
		Cache memory	6 MB



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