

Intel Core i5-3470S processor 2.9 GHz 6 MB Smart Cache

Brand : Intel

Product family: Core

Product code:
CM8063701094000

Product name : i5-3470S

Intel® Core™ i5-3470S Processor
(6M Cache, up to 3.60 GHz)

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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 *	i5-3470S	Intel® Quick Sync Video Technology	✓
Processor base frequency *	2.9 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 i5-3400 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	3.6 GHz	Intel® Turbo Boost Technology 2.0 frequency	3.6 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)	29	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	68315	Conflict-Free processor	✓
Memory		Intel® vPro™ Platform Eligibility	✓
Maximum internal memory supported by processor	32 GB	Operational conditions	
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	✗		
Graphics			
On-board graphics card *	✓		

Graphics		Technical details	
On-board graphics card model *	Intel® HD Graphics 2500	Bus bandwidth	5
On-board graphics card base frequency	650 MHz	Bus type units	GT/s
On-board graphics card dynamic frequency (max)	1100 MHz	Launch date	Q2'12
Number of displays supported (on-board graphics)	3	Processor cache	6144 KB
On-board graphics card ID	0x152	Product type	Processor
Features		Status	Discontinued
Execute Disable Bit	✓	Maximum memory	32 GB
Idle States	✓	Processor brand name	Intel Core i5 vPro Intel Core i5 vPro Processor
Thermal Monitoring Technologies	✓	Supported memory types	DDR3-SDRAM
Market segment	Desktop	Last change	63903513
PCI Express slots version	3.0	Product family	3rd Generation Intel Core i5 Processors
PCI Express configurations	1x16, 2x8, 1x8, 2x4	Bus speed	5 GT/s
Supported instruction sets	SSE4.1, SSE4.2, AVX	Processor ID	0x152
CPU configuration (max)	1	Logistics data	
Embedded options available	✗	Harmonized System (HS) code	8542310001
Thermal solution specification	PCG 2011C	Packaging data	
PCI Express CEM revision	3.0	Package width	81 mm
Export Control Classification Number (ECCN)	5A992C	Package depth	114 mm
Commodity Classification Automated Tracking System (CCATS)	G077159	Package height	102 mm
Images Type Map	✗	Package weight	338 g
Processor special features		Weight & dimensions	
Intel® Anti-Theft Technology (Intel® AT)	✓	Processor package size	37.5 x 37.5 mm
Intel® Hyper Threading Technology (Intel® HT Technology)	✗	Other features	
		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
		On-board memory controller	✓
		Maximum internal memory	32 GB
		Maximum internal memory	32768 MB

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