



HP Intel Core i5-4430S processor 2.7 GHz 6 MB L3 Tray

Brand : HP

Product code: 745034-001

Product name : Intel Core i5-4430S



Intel® Core™ i5-4430S Processor (6M Cache, up to 3.20 GHz)

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Amazing performance and stunning visuals with a boost. Raise the bar on your PC experience with rich visuals plus an automatic burst of speed when you need it. The 4th generation Intel® Core™ i5 processor delivers amazing performance, stunning visuals, and built-in security for deeper protection. Discover the thrill of an automatic burst of speed when you need it with Intel® Turbo Boost Technology 2.0. Experience your movies, photos, and games smoothly and seamlessly with a built-in suite of visual enhancements—and enjoy them even more with longer battery life.

Processor		Features	
Processor generation	4th gen Intel® Core™ i5	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor model *	i5-4430S	Scalability	15
Processor base frequency *	2.7 GHz	Embedded options available	✓
Processor family *	Intel® Core™ i5	Graphics & IMC lithography	22 nm
Processor cores *	4	Thermal solution specification	PCG 2013C
Processor socket *	LGA 1150 (Socket H3)	Processor special features	
Processor lithography *	22 nm	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor threads	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
System bus rate	5 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor operating modes *	64-bit	Intel® My WiFi Technology (Intel® MWT)	✓
Processor boost frequency	3.2 GHz	Intel® Turbo Boost Technology	2.0
Processor cache	6 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	L3	Intel® InTru™ 3D Technology	✓
Thermal Design Power (TDP)	65 W	Intel® Wireless Display (Intel® WiDi)	✓
Package type *	Tray	Intel FDI Technology	✓
Stepping	C0	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel® Insider™	✓
Memory		Enhanced Intel SpeedStep Technology	✓
Maximum internal memory supported by processor	32 GB	Intel Trusted Execution Technology	✗
Memory types supported by processor	DDR3-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel® Secure Key	✓
Memory channels *	Dual-channel	Intel TSX-NI	✗
ECC	✗	Intel Stable Image Platform Program (SIPP)	✗
Graphics		Intel® OS Guard	✓
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® HD Graphics 3000	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card memory	1.7 GB	Intel® vPro™ Platform Eligibility	✗
On-board graphics card base frequency	350 MHz	Operational conditions	
On-board graphics card dynamic frequency (max)	1100 MHz	Tcase	71.35 °C
Number of displays supported (on-board graphics)	3		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		

Features		Other features	
Maximum number of PCI Express lanes	16	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
PCI Express slots version	3.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		

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