

Intel Core i3-4330 processor 3.5 GHz 4 MB Smart Cache Box

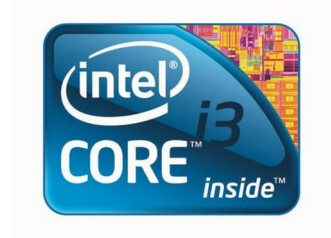
Brand : Intel **Product family:** Core **Product code:** BX80646134330
Product name : i3-4330

Intel® Core™ i3-4330 Processor
(4M Cache, 3.50 GHz)

Intel Core i3-4330 processor 3.5 GHz 4 MB Smart Cache Box:

Amazing performance and stunning visuals start here. Get a smooth, seamless visual experience with a 4th generation Intel Core i3 processor, featuring longer battery life and built-in security for deeper protection.

Effortlessly move among applications with smart multitasking from Intel Hyper-Threading Technology. Experience your movies, photos, and games smoothly and seamlessly with a suite of built-in visual enhancements—no extra hardware required.



Processor		Features	
Processor manufacturer *	Intel	Commodity Classification	
Processor generation	4th gen Intel® Core™ i3	Automated Tracking System (CCATS)	G077159
Processor model *	i3-4330	Processor special features	
Processor base frequency *	3.5 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i3	Intel® Turbo Boost Technology	✗
Processor cores *	2	Intel® Quick Sync Video Technology	✓
Processor socket *	LGA 1150 (Socket H3)	Intel® InTru™ 3D Technology	✓
Component for	PC	Intel® Wireless Display (Intel® WiDi)	✓
Processor lithography *	22 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor series	Intel Core i3-4300 Desktop Series	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor threads	4	Enhanced Intel SpeedStep Technology	✓
System bus rate	5 GT/s	Intel Trusted Execution Technology	✗
Processor operating modes *	64-bit	Intel® Transactional Synchronization Extensions	✗
Processor cache	4 MB	Intel Enhanced Halt State	✓
Processor cache type	Smart Cache	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	54 W	Intel TSX-NI	✗
Box *	✓	Intel Stable Image Platform Program (SIPP)	✗
Cooler included *	✓	Intel 64	✓
Generation	4th Generation	Intel Small Business Advantage (SBA) version	1.00
Compatible chipsets	Intel® H81, Intel® B85, Intel® H87, Intel® Q85, Intel® Q87, Intel® Z87	Intel Stable Image Platform Program (SIPP) version	0.00
Stepping	C0	Intel Virtualization Technology (VT-x)	✓
Bus type	DMI2	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel TSX-NI version	0.00
Processor codename	Haswell	Conflict-Free processor	✓
Processor ARK ID	77769		
Memory			
Maximum internal memory supported by processor	32 GB		
Memory types supported by processor	DDR3-SDRAM, DDR3L-SDRAM		
Memory channels *	Dual-channel		
ECC	✓		

Graphics		Processor special features	
On-board graphics card *	✓	Intel® vPro™ Platform Eligibility	✗
On-board graphics card model *	Intel® HD Graphics 4600	Operational conditions	
On-board graphics card memory	1 GB	Tcase	66.8 °C
Maximum on-board graphics card memory	2 GB	Technical details	
On-board graphics card outputs supported	Embedded DisplayPort (eDP), DisplayPort, HDMI, DVI, VGA (D-Sub)	Born on date	Q3'13
On-board graphics card base frequency	350 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 DirectX version	11.1	Launch date	Q3'13
On-board graphics card OpenGL version	4.3	Maximum resolution & refresh rate (DisplayPort)	3840x2160@60Hz
On-board graphics card maximum resolution (DisplayPort)	3840 x 2160 pixels	Maximum resolution & refresh rate (HDMI)	4096x2304@24Hz
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	3840 x 2160 pixels	Maximum resolution & refresh rate (Integrated Flat Panel)	3840x2160@60Hz
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels	Maximum resolution & refresh rate (VGA)	1920x1200@60Hz
On-board graphics card maximum resolution (VGA)	1920 x 1200 pixels	Number of graphics cores	20
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	OpenGL support	✓
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Processor cache	4096 KB
On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz	Product name	Intel Core i3-4330 (4M Cache, 3.50 GHz)
On-board graphics card refresh rate at maximum resolution (VGA)	60 Hz	Product type	Processor
On-board graphics card ID	0x412	Status	Launched
Features		Video compression formats	✓
Execute Disable Bit	✓	Maximum graphics card memory	1740 MB
Idle States	✓	Maximum memory	32 GB
Thermal Monitoring Technologies	✓	Processor brand name	Intel Core i3 Intel Core i3 Processor
Market segment	Desktop	Supported memory types	DDR3-SDRAM, DDR3L-SDRAM
Maximum number of PCI Express lanes	16	Last change	63903513
PCI Express slots version	3.0	Product family	4th Generation Intel Core i3 Processors
PCI Express configurations	1x16, 2x8, 1x8+2x4	Bus speed	5 GT/s
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Maximum graphics card memory	2 GB
Scalability	1S	Processor ID	0x412
CPU configuration (max)	1	Servicing status	End of Servicing Lifetime
Embedded options available	✓	End of servicing updates date	Wednesday, June 30, 2021
Graphics & IMC lithography	22 nm	Logistics data	
Thermal solution specification	PCG 2013C	Harmonized System (HS) code	8542310001
Export Control Classification Number (ECCN)	5A992C	Packaging data	
		Package type	Retail box
		Weight & dimensions	
		Processor package size	37.5 x 37.5 mm
		Other features	
		Intel® Virtualization Technology (Intel® VT)	VT-x
		Maximum internal memory	32 GB
		Maximum internal memory	32768 MB
		Graphics output	eDP/DP/HDMI/DVI/VGA
		Cache memory	4 MB
		Video decoding	✓



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