

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

Brand : Intel

Product family: Core

Product code:
CM8064601482423

Product name : i3-4330

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

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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		Processor special features	
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	✗
Processor generation	4th gen Intel® Core™ i3	Intel® Quick Sync Video Technology	✓
Processor model *	i3-4330	Intel® InTru™ 3D Technology	✓
Processor base frequency *	3.5 GHz	Intel® Wireless Display (Intel® WiDi)	✓
Processor family *	Intel® Core™ i3	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cores *	2	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 1150 (Socket H3)	Enhanced Intel SpeedStep Technology	✓
Component for	PC	Intel Trusted Execution Technology	✗
Processor lithography *	22 nm	Intel® Transactional Synchronization Extensions	✗
Processor series	Intel Core i3-4300 Desktop Series	AMD Cool'n'Quiet Technology	✗
Processor threads	4	AMD HD Internet Technology	✗
System bus rate	5 GT/s	AMD HyperTransport Technology	✗
Processor operating modes *	64-bit	AMD Optimization for Cloud Computing	✗
Processor cache	4 MB	AMD Virtualization Technology	✗
Processor cache type	Smart Cache	AMD VISION FX Technology	✗
Thermal Design Power (TDP)	54 W	AMD Turbo CORE technology	✗
Box *	✗	Intel Enhanced Halt State	✓
Cooler included *	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Generation	4th Generation	Intel TSX-NI	✗
Bus type	DMI2	Intel Stable Image Platform Program (SIPP)	✗
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel 64	✓
Processor codename	Haswell	Intel Small Business Advantage (SBA) version	1.00
Processor ARK ID	77769	Intel Stable Image Platform Program (SIPP) version	0.00
Memory		Intel Virtualization Technology (VT-x)	✓
Maximum internal memory supported by processor	32 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Memory types supported by processor	DDR3-SDRAM, DDR3L-SDRAM	Intel TSX-NI version	0.00
Memory channels *	Dual-channel	Conflict-Free processor	✓
ECC	✓	Intel® vPro™ Platform Eligibility	✗
Graphics		Operational conditions	
On-board graphics card *	✓	Tcase	66.8 °C
On-board graphics card model *	Intel® HD Graphics 4600		
Maximum on-board graphics card memory	2 GB		
On-board graphics card outputs supported	Embedded DisplayPort (eDP), DisplayPort, HDMI, DVI, VGA (D-Sub)		
On-board graphics card base frequency	350 MHz		

Graphics		Technical details	
On-board graphics card dynamic frequency (max)	1150 MHz	Bus bandwidth	5
Number of displays supported (on-board graphics)	3	Bus type units	GT/s
On-board graphics card DirectX version	11.1/12	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	Processor cache	4096 KB
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Product type	Processor
On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz	Status	Launched
On-board graphics card refresh rate at maximum resolution (VGA)	60 Hz	Maximum memory	32 GB
On-board graphics card ID	0x412	Processor brand name	Intel Core i3 Intel Core i3 Processor
Features		Supported memory types	DDR3-SDRAM, DDR3L-SDRAM
Execute Disable Bit	✓	Last change	63903513
Idle States	✓	Product family	4th Generation Intel Core i3 Processors
Thermal Monitoring Technologies	✓	Bus speed	5 GT/s
Market segment	Desktop	Maximum graphics card memory	2 GB
Maximum number of PCI Express lanes	16	Processor ID	0x412
PCI Express slots version	3.0	Servicing status	End of Servicing Lifetime
PCI Express configurations	1x16, 2x8, 1x8+2x4	End of servicing updates date	Wednesday, June 30, 2021
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Logistics data	
Scalability	1S	Harmonized System (HS) code	8542310001
CPU configuration (max)	1	Packaging data	
Embedded options available	✓	Package width	70 mm
Graphics & IMC lithography	22 nm	Package depth	116 mm
Thermal solution specification	PCG 2013C	Package height	101 mm
Export Control Classification Number (ECCN)	5A992C	Package weight	338 g
Commodity Classification Automated Tracking System (CCATS)	G077159	Package type	Retail box
Processor special features		Weight & dimensions	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	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
		Video decoding	✓



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