

Intel Core i3-4150T processor 3 GHz 3 MB Smart Cache

Brand : Intel

Product family: Core

Product code:
CM8064601483534

Product name : i3-4150T

Intel® Core™ i3-4150T Processor
(3M Cache, 3.00 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		Features	
Processor manufacturer *	Intel	Thermal solution specification	PCG 2013A
Processor generation	4th gen Intel® Core™ i3	Export Control Classification Number (ECCN)	5A992C
Processor model *	i3-4150T	Commodity Classification Automated Tracking System (CCATS)	G077159
Processor base frequency *	3 GHz	Processor special features	
Processor family *	Intel® Core™ i3	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores *	2	Intel® Turbo Boost Technology	✗
Processor socket *	LGA 1150 (Socket H3)	Intel® Quick Sync Video Technology	✓
Component for	PC	Intel® InTru™ 3D Technology	✓
Processor lithography *	22 nm	Intel® Wireless Display (Intel® WiDi)	✓
Processor series	Intel Core i3-4100 Desktop series	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	4	Intel® Smart Cache	✓
System bus rate	5 GT/s	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor operating modes *	64-bit	Enhanced Intel SpeedStep Technology	✓
Processor cache	3 MB	Intel Trusted Execution Technology	✗
Processor cache type	Smart Cache	Intel® Transactional Synchronization Extensions	✗
L3 cache speed	3 GHz	Intel Enhanced Halt State	✓
Thermal Design Power (TDP)	35 W	Intel VT-x with Extended Page Tables (EPT)	✓
Box *	✗	Intel TSX-NI	✗
Cooler included *	✗		
Generation	4th Generation		
Compatible chipsets	Intel® B85, Intel® H81, Intel® H87, Intel® Q85, Intel® Q87, Intel® Z87		
Stepping	C0		
Bus type	DMI		
Memory bandwidth supported by processor (max)	25.6 GB/s		
Processor codename	Haswell		

Processor		Processor special features	
Processor code	SR1PG	Intel Stable Image Platform Program (SIPP)	✗
Processor ARK ID	77487	Intel 64	✓
Memory		Intel Small Business Advantage (SBA) version	1.00
Maximum internal memory supported by processor	32 GB	Intel Stable Image Platform Program (SIPP) version	0.00
Memory types supported by processor	DDR3-SDRAM, DDR3L-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Memory channels *	Dual-channel	Intel TSX-NI version	0.00
ECC	✓	Conflict-Free processor	✓
Graphics		Intel® vPro™ Platform Eligibility	✗
On-board graphics card *	✓	Operational conditions	
On-board graphics card model *	Intel® HD Graphics 4400	Tcase	66.4 °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)	Bus bandwidth	5
On-board graphics card base frequency	200 MHz	Bus type units	GT/s
On-board graphics card dynamic frequency (max)	1150 MHz	Launch date	Q2'14
Number of displays supported (on-board graphics)	3	Maximum resolution & refresh rate (DisplayPort)	3840x2160@60Hz
On-board graphics card DirectX version	11.1/12	Maximum resolution & refresh rate (HDMI)	4096x2304@24Hz
On-board graphics card OpenGL version	4.3	Maximum resolution & refresh rate (Integrated Flat Panel)	3840x2160@60Hz
On-board graphics card maximum resolution (DisplayPort)	3840 x 2160 pixels	Maximum resolution & refresh rate (VGA)	1920x1200@60Hz
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	3840 x 2160 pixels	Number of graphics cores	12
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels	Processor cache	3072 KB
On-board graphics card maximum resolution (VGA)	1920 x 1200 pixels	Product type	Processor
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Status	Discontinued
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Maximum memory	32 GB
On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz	Processor brand name	Intel Core i3 Intel Core i3 Processor
On-board graphics card refresh rate at maximum resolution (VGA)	60 Hz	Supported memory types	DDR3-SDRAM, DDR3L-SDRAM
On-board graphics card ID	0x41E	Last change	63903513
Features		Product family	4th Generation Intel Core i3 Processors
Execute Disable Bit	✓	Bus speed	5 GT/s
Idle States	✓	Maximum graphics card memory	2 GB
Thermal Monitoring Technologies	✓	Processor ID	0x41E
Market segment	Desktop	Logistics data	
Maximum number of PCI Express lanes	16	Harmonized System (HS) code	8542310001
PCI Express slots version	3.0	Packaging data	
PCI Express configurations	1x16, 2x8, 1x8+2x4	Package width	70 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Package depth	116 mm
Bandwidth	5 MB/s	Package height	101 mm
Scalability	1S	Package type	Retail box
CPU configuration (max)	1	Weight & dimensions	
Embedded options available	✗	Processor package size	37.5 x 37.5 mm
Graphics & IMC lithography	22 nm	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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