



## HP Intel Core i3-4170 processor 3.7 GHz 3 MB L3

**Brand :** HP

**Product code:** 820586-001

**Product name :** Intel Core i3-4170

Intel Core i3-4170, 3M Cache, 3.7 GHz, 5 GT/s DMI2

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HP Intel Core i3-4170. Processor family: Intel® Core™ i3, Processor socket: LGA 1150 (Socket H3), Processor lithography: 22 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 32 GB, Memory types supported by processor: DDR3-SDRAM, DDR3L. On-board graphics card model: Intel® HD Graphics 4400, Maximum on-board graphics card memory: 2 GB, On-board graphics card outputs supported: DVI, DisplayPort, Embedded DisplayPort (eDP), HDMI, VGA (D-Sub). Market segment: Desktop, PCI Express configurations: 1x16, 1x8+2x4, 2x8, Supported instruction sets: AVX 2.0, SSE4.1, SSE4.2. Compatibility: ProDesk 400 G2.5

Processor		Graphics	
Processor generation	4th gen Intel® Core™ i3	On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz
Processor model *	i3-4170	On-board graphics card refresh rate at maximum resolution (VGA)	60 Hz
Processor base frequency *	3.7 GHz	Features	
Processor family *	Intel® Core™ i3		
Processor cores *	2		
Processor socket *	LGA 1150 (Socket H3)		
Component for	PC		
Processor lithography *	22 nm		
Processor series	Intel Core i3-4100 Desktop series		
Processor threads	4		
System bus rate	5 GT/s		
Processor operating modes *	64-bit		
Processor cache	3 MB	Execute Disable Bit	✓
Processor cache type	L3	Idle States	✓
Thermal Design Power (TDP)	54 W	Thermal Monitoring Technologies	✓
Stepping	C0	Market segment	Desktop
Bus type	DMI2	Maximum number of PCI Express lanes	16
Memory bandwidth supported by processor (max)	25.6 GB/s	PCI Express slots version	3.0
Memory		PCI Express configurations	1x16, 1x8+2x4, 2x8
Maximum internal memory supported by processor	32 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory types supported by processor	DDR3-SDRAM, DDR3L	Scalability	1S
Memory clock speeds supported by processor	1333,1600 MHz	CPU configuration (max)	1
Memory voltage supported by processor	1.5 V	Embedded options available	✗
Memory channels *	Dual-channel	Graphics & IMC lithography	22 nm
ECC	✓	Thermal solution specification	PCG 2013C
Graphics		Processor special features	
On-board graphics card *	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
On-board graphics card model *	Intel® HD Graphics 4400	Intel® Turbo Boost Technology	✗
Maximum on-board graphics card memory	2 GB	Intel® Quick Sync Video Technology	✓
On-board graphics card outputs supported	DVI, DisplayPort, Embedded DisplayPort (eDP), HDMI, VGA (D-Sub)	Intel® InTru™ 3D Technology	✓
On-board graphics card base frequency	350 MHz	Intel® Wireless Display (Intel® WiDi)	✓
		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
		Intel® AES New Instructions (Intel® AES-NI)	✓
		Enhanced Intel SpeedStep Technology	✓
		Intel Trusted Execution Technology	✗
		Intel VT-x with Extended Page Tables (EPT)	✓
		Intel® Secure Key	✓
		Intel TSX-NI	✗

Graphics		Processor special features	
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Stable Image Platform Program (SIPP)	✗
Number of displays supported (on-board graphics)	3	Intel® Small Business Advantage (Intel® SBA)	✓
On-board graphics card DirectX version	11.1/12	Intel 64	✓
On-board graphics card OpenGL version	4.3	Intel Virtualization Technology (VT-x)	✓
On-board graphics card maximum resolution (DisplayPort)	3840 x 2160 pixels	Intel Virtualization Technology for Directed I/O (VT-d)	✗
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	3840 x 2160 pixels	Conflict-Free processor	✓
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels	Intel® vPro™ Platform Eligibility	✗
On-board graphics card maximum resolution (VGA)	1920 x 1200 pixels	Operational conditions	
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Tcase	72 °C
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Other features	
		Compatibility	ProDesk 400 G2.5

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