

Intel Core i3-2120 processor 3.3 GHz 3 MB Smart Cache Box

Brand : Intel

Product family: Core

Product code: BX80623I32120


Product name : i3-2120

Intel® Core™ i3-2120 Processor
(3M Cache, 3.30 GHz)

Intel Core i3-2120. Processor family: Intel® Core™ i3, Processor socket: LGA 1155 (Socket H2), Processor lithography: 32 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 32 GB, Memory types supported by processor: DDR3-SDRAM. On-board graphics card model: Intel® HD Graphics 2000, On-board graphics card base frequency: 850 MHz, On-board graphics card dynamic frequency (max): 1100 MHz. Market segment: Desktop, Supported instruction sets: SSE4.1, SSE4.2, AVX, Export Control Classification Number (ECCN): 3A991. Package type: Retail box



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	✗
Processor generation	2nd gen Intel® Core™ i3	Intel® Quick Sync Video Technology	✓
Processor model *	i3-2120	Intel® InTru™ 3D Technology	✓
Processor base frequency *	3.3 GHz	Intel® Wireless Display (Intel® WiDi)	✗
Processor family *	Intel® Core™ i3	Intel FDI Technology	✓
Processor cores *	2	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor socket *	LGA 1155 (Socket H2)	Intel Dual Display Capable Technology	✓
Component for	PC	Intel® Insider™	✓
Processor lithography *	32 nm	Intel Fast Memory Access	✓
Processor series	Intel Core i3-2100 Desktop Series	Intel Flex Memory Access	✓
Processor threads	4	Intel® AES New Instructions (Intel® AES-NI)	✗
System bus rate	5 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor operating modes *	64-bit	Intel Trusted Execution Technology	✗
Processor cache	3 MB	Intel Enhanced Halt State	✓
Processor cache type	Smart Cache	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	65 W	Intel 64	✓
Box *	✓	Intel Identity Protection Technology version	1.00
Cooler included *	✓	Intel Virtualization Technology (VT-x)	✓
Generation	2nd Generation	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Compatible chipsets	Intel® B65 Express, Intel® H61 Express, Intel® H67 Express, Intel® P67 Express, Intel® Q67 Express	Conflict-Free processor	✗
Bus type	DMI	Intel® vPro™ Platform Eligibility	✗
CPU multiplier (bus/core ratio)	33		
Memory bandwidth supported by processor (max)	21 GB/s		
Processor codename	Sandy Bridge		
Processor ARK ID	53426		
Memory		Operational conditions	
Maximum internal memory supported by processor	32 GB	Maximum operating temperature	69.1 °C
Memory types supported by processor	DDR3-SDRAM	Tcase	69.1 °C
Memory channels *	Dual-channel		
Graphics		Technical details	
On-board graphics card *	✓	Born on date	Q1'11
On-board graphics card model *	Intel® HD Graphics 2000	Bus bandwidth	5
		Bus type units	GT/s
		Graphics max dynamic frequency	1.10 GHz
		Launch date	Q1'11

Graphics		Technical details	
On-board graphics card base frequency	850 MHz	Processor cache	3072 KB
On-board graphics card dynamic frequency (max)	1100 MHz	Product name	Intel Core i3-2120 (3M Cache, 3.30 GHz)
Number of displays supported (on-board graphics)	2	Product type	Processor
On-board graphics card ID	0x102	Status	Discontinued
Features		Maximum memory	32 GB
Execute Disable Bit	✓	Processor brand name	Intel Core i3 Intel Core i3 Processor
Idle States	✓	Supported memory types	DDR3-SDRAM
Thermal Monitoring Technologies	✓	Last change	63903513
Market segment	Desktop	Product family	2nd Generation Intel Core i3 Processors
Maximum number of PCI Express lanes	16	Bus speed	5 GT/s
PCI Express slots version	2.0	Processor ID	0x102
Supported instruction sets	SSE4.1, SSE4.2, AVX	Logistics data	
CPU configuration (max)	1	Harmonized System (HS) code	8542310001
Embedded options available	✓	Packaging data	
PCI Express CEM revision	2.0	Package type	Retail box
Export Control Classification Number (ECCN)	3A991	Weight & dimensions	
Commodity Classification Automated Tracking System (CCATS)	NA	Processor package size	37.5 x 37.5 mm
Images Type Map		Other features	
Processor special features		Maximum internal memory	32 GB
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Maximum internal memory	32768 MB
Intel® Identity Protection Technology (Intel® IPT)	✓	Cache memory	3 MB



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