

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

Brand : Intel

Product family: Core

Product code:
CM8062301044204


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, Bandwidth: 21504 MB/s. Package width: 81 mm, Package depth: 114 mm, Package height: 102 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor generation	2nd gen Intel® Core™ i3	Intel® Turbo Boost Technology	✗
Processor model *	i3-2120	Intel® Quick Sync Video Technology	✓
Processor base frequency *	3.3 GHz	Intel® InTru™ 3D Technology	✓
Processor family *	Intel® Core™ i3	Intel® Wireless Display (Intel® WiDi)	✗
Processor cores *	2	Intel FDI Technology	✓
Processor socket *	LGA 1155 (Socket H2)	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor lithography *	32 nm	Intel Dual Display Capable Technology	✓
Processor series	Intel Core i3-2100 Desktop Series	Intel® Insider™	✓
Processor threads	4	Intel Fast Memory Access	✓
System bus rate	5 GT/s	Intel Flex Memory Access	✓
Processor operating modes *	64-bit	Intel® AES New Instructions (Intel® AES-NI)	✗
Processor cache	3 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Intel Trusted Execution Technology	✗
Processor front side bus	1333 MHz	Intel Enhanced Halt State	✓
Thermal Design Power (TDP)	65 W	Intel VT-x with Extended Page Tables (EPT)	✓
Box *	✗	Intel 64	✓
Cooler included *	✗	Intel Identity Protection Technology version	1.00
Generation	2nd Generation	Intel Virtualization Technology (VT-x)	✓
Stepping	Q0	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Bus type	DMI	Conflict-Free processor	✗
CPU multiplier (bus/core ratio)	33	Intel® vPro™ Platform Eligibility	✗
Memory bandwidth supported by processor (max)	21 GB/s		
Processor codename	Sandy Bridge	Operational conditions	
Processor code	SR05Y	Maximum operating temperature	69.1 °C
Processor ARK ID	53426	Tcase	69.1 °C
Memory		Technical details	
Maximum internal memory supported by processor	32 GB	Bus bandwidth	5
Memory types supported by processor	DDR3-SDRAM	Bus type units	GT/s
Memory channels *	Dual-channel	Launch date	Q1'11
Graphics		Processor cache	3072 KB
On-board graphics card *	✓	Product type	Processor
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		

Graphics		Technical details	
Number of displays supported (on-board graphics)	2	Status	Discontinued
On-board graphics card ID	0x102	Maximum memory	32 GB
Features		Processor brand name	Intel Core i3 Intel Core i3 Processor
Execute Disable Bit	✓	Supported memory types	DDR3-SDRAM
Idle States	✓	Last change	63903513
Thermal Monitoring Technologies	✓	Product family	2nd Generation Intel Core i3 Processors
Market segment	Desktop	Bus speed	5 GT/s
Maximum number of PCI Express lanes	16	Processor ID	0x102
PCI Express slots version	2.0	Logistics data	
Supported instruction sets	SSE4.1, SSE4.2, AVX	Harmonized System (HS) code	8542310001
Bandwidth	21504 MB/s	Packaging data	
CPU configuration (max)	1	Package width	81 mm
Embedded options available	✓	Package depth	114 mm
PCI Express CEM revision	2.0	Package height	102 mm
Export Control Classification Number (ECCN)	3A991	Package weight	338 g
Commodity Classification Automated Tracking System (CCATS)	NA	Package type	Retail box
Images Type Map		Weight & dimensions	
Processor special features		Processor package size	37.5 x 37.5 mm
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Other features	
		Maximum internal memory	32 GB
		Maximum internal memory	32768 MB



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