

Intel Core i3-3220 processor 3.3 GHz 3 MB Smart Cache

Brand : Intel

Product family: Core

Product code:
CM8063701137502

Product name : i3-3220



Intel® Core™ i3-3220 Processor
(3M Cache, 3.30 GHz)

Intel Core i3-3220. Processor family: Intel® Core™ i3, Processor socket: LGA 1155 (Socket H2), Processor lithography: 22 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 2500, On-board graphics card base frequency: 650 MHz, On-board graphics card dynamic frequency (max): 1050 MHz. Market segment: Desktop, PCI Express configurations: 1x16, 2x8, 1x8, 2x4, Supported instruction sets: SSE4.1, SSE4.2, AVX. Package type: Retail box

Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor generation	3rd gen Intel® Core™ i3	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i3-3220	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor base frequency *	3.3 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
Processor family *	Intel® Core™ i3	Intel® Turbo Boost Technology	✗
Processor cores *	2	Intel® Quick Sync Video Technology	✓
Processor socket *	LGA 1155 (Socket H2)	Intel® InTru™ 3D Technology	✓
Component for	PC	Intel® Wireless Display (Intel® WiDi)	✓
Processor lithography *	22 nm	Intel FDI Technology	✓
Processor series	Intel Core i3-3200 Desktop Series	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	4	Intel® Insider™	✓
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 Enhanced Halt State	✓
Thermal Design Power (TDP)	55 W	Intel VT-x with Extended Page Tables (EPT)	✓
Box *	✗	Intel® Secure Key	✗
Cooler included *	✗	Intel 64	✓
Generation	3rd Generation	Intel Identity Protection Technology version	1.00
Bus type	DMI	Intel Secure Key Technology version	0.00
CPU multiplier (bus/core ratio)	33	Intel Virtualization Technology (VT-x)	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Processor codename	Ivy Bridge	Conflict-Free processor	✓
Processor ARK ID	65693	Intel® vPro™ Platform Eligibility	✗
Memory		Operational conditions	
Maximum internal memory supported by processor	32 GB	Tcase	65.3 °C
Memory types supported by processor	DDR3-SDRAM	Technical details	
Memory clock speeds supported by processor	1333,1600 MHz	Bus bandwidth	5
Memory channels *	Dual-channel	Bus type units	GT/s
ECC	✗	Launch date	Q3'12
Graphics		Processor cache	3072 KB
On-board graphics card *	✓		
On-board graphics card model *	Intel® HD Graphics 2500		
On-board graphics card base frequency	650 MHz		
On-board graphics card dynamic frequency (max)	1050 MHz		

Graphics		Technical details	
Number of displays supported (on-board graphics)	3	Product type	Processor
On-board graphics card ID	0x152	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	3rd Generation Intel Core i3 Processors
PCI Express slots version	2.0	Bus speed	5 GT/s
PCI Express configurations	1x16, 2x8, 1x8, 2x4	Processor ID	0x152
Supported instruction sets	SSE4.1, SSE4.2, AVX	Logistics data	
CPU configuration (max)	1	Harmonized System (HS) code	8542310001
Embedded options available	✓	Packaging data	
Thermal solution specification	PCG 2011C	Package type	Retail box
PCI Express CEM revision	2.0	Weight & dimensions	
Export Control Classification Number (ECCN)	3A991	Processor package size	37.5 x 37.5 mm
Commodity Classification Automated Tracking System (CCATS)	NA	Other features	
		Maximum internal memory	32 GB
		Maximum internal memory	32768 MB



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