



HP Intel Core i3-3220 processor 3.3 GHz 3 MB L3 Tray

Brand : HP

Product code: 688950-001

Product name : Intel Core i3-3220

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

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As the first level in Intel's new processor family, the previous generation Intel® Core™ i3 processor is the perfect entry point for a fast, responsive PC experience. This processor comes equipped with Intel® HD Graphics, an advanced video engine that delivers smooth, high-quality HD video playback, and advanced 3D capabilities, providing an ideal graphics solution for everyday computing.

A smart choice for home and office, the Intel Core i3 processor also features Intel® Hyper-Threading Technology (Intel® HT Technology),¹ which enables each core of your processor to work on two tasks at the same time, delivering the performance you need for smart multitasking.

Processor		Features	
Processor generation	3rd gen Intel® Core™ i3	Supported instruction sets	AVX, SSE4.1, SSE4.2
Processor model *	i3-3220	Embedded options available	✓
Processor base frequency *	3.3 GHz	Thermal solution specification	PCG 2011C
Processor family *	Intel® Core™ i3	Processor special features	
Processor cores *	2	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor socket *	LGA 1155 (Socket H2)	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor lithography *	22 nm	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor threads	4	Intel® My WiFi Technology (Intel® MWT)	✓
System bus rate	5 GT/s	Intel® Turbo Boost Technology	✗
Processor operating modes *	64-bit	Intel® Quick Sync Video Technology	✓
Processor cache	3 MB	Intel® InTru™ 3D Technology	✓
Processor cache type	L3	Intel® Wireless Display (Intel® WiDi)	✓
Thermal Design Power (TDP)	55 W	Intel FDI Technology	✓
Package type *	Tray	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Stepping	L1	Intel® Insider™	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory		Enhanced Intel SpeedStep Technology	✓
Maximum internal memory supported by processor	32 GB	Intel Trusted Execution Technology	✗
Memory types supported by processor	DDR3-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel® Secure Key	✗
Memory channels *	Dual-channel	Intel Virtualization Technology (VT-x)	✓
ECC	✓	Intel® vPro™ Platform Eligibility	✗
Graphics		Operational conditions	
On-board graphics card *	✓	Tcase	65.3 °C
On-board graphics card model *	Intel® HD Graphics 2500	Other features	
On-board graphics card base frequency	650 MHz	Intel® Virtualization Technology (Intel® VT)	VT-x
On-board graphics card dynamic frequency (max)	1050 MHz		
Number of displays supported (on-board graphics)	3		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		

Features

PCI Express slots version	2.0
PCI Express configurations	1x16, 2x8, 1x8+2x4

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