



## HP Intel Core i5-3450 processor 3,1 GHz 6 MB L3 Tray

**Brand :** HP

**Product code:** 687942-001

**Product name :** Intel Core i5-3450



Intel® Core™ i5-3450 Processor (6M Cache, up to 3.50 GHz)

HP Intel Core i5-3450. Processor family: Intel® Core™ i5, 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): 1100 MHz. PCI Express configurations: 1x16, 2x8, 1x8+2x4, Supported instruction sets: AVX, SSE4.1, SSE4.2. Intel® Virtualization Technology (Intel® VT): VT-x

Processor		Features	
Processor generation	3rd gen Intel® Core™ i5	Thermal Monitoring Technologies	✓
Processor model *	i5-3450	PCI Express slots version	3.0
Processor base frequency *	3,1 GHz	PCI Express configurations	1x16, 2x8, 1x8+2x4
Processor family *	Intel® Core™ i5	Supported instruction sets	AVX, SSE4.1, SSE4.2
Processor cores *	4	Embedded options available	✗
Processor socket *	LGA 1155 (Socket H2)	<b>Processor special features</b>	
Processor lithography *	22 nm	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor threads	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
System bus rate	5 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	2.0
Processor boost frequency	3,5 GHz	Intel® Quick Sync Video Technology	✓
Processor cache	6 MB	Intel® InTru™ 3D Technology	✓
Processor cache type	L3	Intel® Wireless Display (Intel® WiDi)	✓
Thermal Design Power (TDP)	77 W	Intel FDI Technology	✓
Package type *	Tray	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Stepping	E1	Intel® Insider™	✓
Memory bandwidth supported by processor (max)	25,6 GB/s	Enhanced Intel SpeedStep Technology	✓
<b>Memory</b>		Intel Trusted Execution Technology	✗
Maximum internal memory supported by processor	32 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Memory types supported by processor	DDR3-SDRAM	Intel® Secure Key	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel TSX-NI	✗
Memory channels *	Dual-channel	Intel Virtualization Technology (VT-x)	✓
ECC	✗	Intel® vPro™ Platform Eligibility	✗
<b>Graphics</b>		<b>Operational conditions</b>	
On-board graphics card *	✓	Tcase	67,4 °C
On-board graphics card model *	Intel® HD Graphics 2500	<b>Other features</b>	
On-board graphics card base frequency	650 MHz	Intel® Virtualization Technology (Intel® VT)	VT-x
On-board graphics card dynamic frequency (max)	1100 MHz		
Number of displays supported (on-board graphics)	3		
<b>Features</b>			
Execute Disable Bit	✓		
Idle States	✓		

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