



HP Intel Core i7 4771 processor 3.5 GHz 8 MB L3

Brand : HP

Product code: 742563-001

Product name : Intel Core i7 4771



Intel Core i7 4771, 3.5 GHz (3.9 GHz Turbo), 8 MB Cache, 5 GT/s, 22 nm

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We are in a multi-year journey to turn HP around, and we have put in place a plan to restore HP to growth. We know where we need to go, and we're making progress. We continue to drive product innovation in our core markets, with a focus on cloud, security, and big data. We see big opportunities ahead, and we are well positioned to take advantage of these opportunities with our remarkable set of assets and strengths. We have the people, the plan, and the foundation in place to help us succeed on the next phase of the journey.

Processor		Features	
Processor generation	4th gen Intel® Core™ i7	PCI Express configurations	1x16, 2x8, 1x8+2x4
Processor model *	i7-4771	Processor special features	
Processor base frequency *	3.5 GHz	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor family *	Intel® Core™ i7	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores *	4	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor socket *	LGA 1150 (Socket H3)	Intel® My WiFi Technology (Intel® MWT)	✓
Component for	PC	Intel® Turbo Boost Technology	2.0
Processor lithography *	22 nm	Intel® Quick Sync Video Technology	✓
Processor threads	8	Intel® InTru™ 3D Technology	✓
System bus rate	5 GT/s	Intel® Wireless Display (Intel® WiDi)	✓
Processor operating modes *	32-bit, 64-bit	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor boost frequency	3.9 GHz	Intel® Insider™	✓
Processor cache	8 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	L3	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	84 W	Intel VT-x with Extended Page Tables (EPT)	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel® Secure Key	✓
Memory		Intel TSX-NI	✓
Maximum internal memory supported by processor	32 GB	Intel Virtualization Technology (VT-x)	✓
Memory types supported by processor	DDR3-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel® vPro™ Platform Eligibility	✓
Memory channels *	Dual-channel	Operational conditions	
ECC	✗	Tcase	72 °C
Graphics		Packaging data	
On-board graphics card *	✓	Package width	37.5 mm
On-board graphics card model *	Intel® HD Graphics 4600	Package depth	37.5 mm
On-board graphics card base frequency	350 MHz	Other features	
On-board graphics card dynamic frequency (max)	1200 MHz	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Number of displays supported (on-board graphics)	3		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Desktop		
PCI Express slots version	3.0		

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