HP Intel Core i7 4770S processor 3.1 GHz 8 MB L3

Brand : HP

Product code: 732507-001

Product name : Intel Core i7 4770S

Intel Core i7 4770S, 3.1 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	
Processor generation	4th gen Intel® Core™ i7
Processor model *	i7-4770S
Processor base frequency *	3.1 GHz
Processor family *	Intel® Core™ i7
Processor cores *	4
Processor socket *	LGA 1150 (Socket H3)
Component for	PC
Processor lithography *	22 nm
Processor threads	8
System bus rate	5 GT/s
Processor operating modes *	32-bit, 64-bit
Processor boost frequency	3.9 GHz
Processor cache	8 MB
Processor cache type	L3
Thermal Design Power (TDP)	65 W
Memory bandwidth supported by processor (max)	25.6 GB/s

Memory	
Maximum internal memory supported by processor	32 GB
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	1333,1600 MHz
Memory channels *	Dual-channel
ECC	✗

Graphics	
On-board graphics card *	✓
On-board graphics card model *	Intel® HD Graphics 4600
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1200 MHz
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

Processor special features	
Intel® Anti-Theft Technology (Intel® AT)	✓
Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Intel® Identity Protection Technology (Intel® IPT)	✓
Intel® My WiFi Technology (Intel® MWT)	✓
Intel® Turbo Boost Technology	2.0
Intel® Quick Sync Video Technology	✓
Intel® InTru™ 3D Technology	✓
Intel® Wireless Display (Intel® WiDi)	✓
Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Intel® Insider™	✓
Intel® AES New Instructions (Intel® AES-NI)	✓
Enhanced Intel SpeedStep Technology	✓
Intel Trusted Execution Technology	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel® Secure Key	✓
Intel TSX-NI	✓
Intel Virtualization Technology (VT-x)	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel® vPro™ Platform Eligibility	✓

Operational conditions	
Tcase	71.35 °C

Packaging data	
Package width	37.5 mm
Package depth	37.5 mm

Other features	
Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x

Features	
PCI Express configurations	1x16, 2x8, 1x8+2x4

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