



## HP Intel Xeon E5520 processor 2.26 GHz 8 MB Smart Cache

**Brand :** HP

**Product code:** 484425-003

**Product name :** Intel Xeon E5520

Intel Xeon E5520, 8M Cache, 2.26 GHz, 5.86 GT/s QPI

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HP Intel Xeon E5520. Processor family: Intel® Xeon® 5000 Sequence, Processor socket: Socket B (LGA 1366), Processor lithography: 45 nm. Memory channels: Triple-channel, Maximum internal memory supported by processor: 144 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Number of Processing Die Transistors: 731 M, Processing Die size: 263 mm². Compatibility: Proliant

Processor		Features	
Processor model *	E5520	Execute Disable Bit	✓
Processor base frequency *	2.26 GHz	Idle States	✓
Processor family *	Intel® Xeon® 5000 Sequence	Market segment	Server
Processor cores *	4	Number of Processing Die Transistors	731 M
Processor socket *	Socket B (LGA 1366)	Processing Die size	263 mm²
Component for	Server/workstation	Physical Address Extension (PAE)	✓
Processor lithography *	45 nm	CPU configuration (max)	2
Processor series	Intel Xeon 5000 Series	Embedded options available	✗
Processor threads	8	Physical Address Extension (PAE)	40 bit
System bus rate	5.86 GT/s	<b>Processor special features</b>	
Processor operating modes *	64-bit	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor boost frequency	2.53 GHz	Intel® Turbo Boost Technology	1.0
Processor cache	8 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Intel Trusted Execution Technology	✗
Thermal Design Power (TDP)	80 W	Intel VT-x with Extended Page Tables (EPT)	✓
VID Voltage Range	0.75 - 1.35 V	Intel Demand Based Switching	✓
Stepping	D0	Intel 64	✓
Bus type	QPI	Intel Virtualization Technology (VT-x)	✓
Number of QPI links	2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	<b>Operational conditions</b>	
<b>Memory</b>		Tcase	72 °C
Maximum internal memory supported by processor	144 GB	<b>Other features</b>	
Memory types supported by processor	DDR3-SDRAM	Compatibility	Proliant
Memory clock speeds supported by processor	800,1066 MHz		
Memory channels *	Triple-channel		
ECC	✓		
<b>Graphics</b>			
On-board graphics card *	✗		

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Publication date: 26-JUL-2025. Prints or copies of Information are only valid on the printed Publication date