

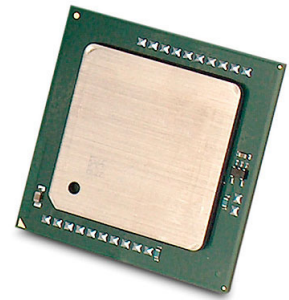


HP Intel Xeon E5-2420 processor 1.9 GHz 15 MB L3 Box

Brand : HP

Product code: 667376-B21

Product name : Intel Xeon E5-2420



Intel Xeon Processor E5-2420 (15M Cache, 1.90 GHz, 7.20 GT/s QPI)

HP Intel Xeon E5-2420. Processor family: Intel® Xeon® E5 Family, Processor socket: LGA 1356 (Socket B2), Processor lithography: 32 nm. Memory channels: Triple-channel, Maximum internal memory supported by processor: 375 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: AVX, Scalability: S2S. Processor package size: 45 mm. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x

Processor		Features	
Processor model *	E5-2420	Thermal Monitoring Technologies	✓
Processor base frequency *	1.9 GHz	Market segment	Server
Processor family *	Intel® Xeon® E5 Family	PCI Express slots version	3.0
Processor cores *	6	Supported instruction sets	AVX
Processor socket *	LGA 1356 (Socket B2)	Scalability	S2S
Component for	Server/workstation	CPU configuration (max)	2
Processor lithography *	32 nm	Embedded options available	✗
Processor threads	12	Processor special features	
System bus rate	7.2 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	✓
Processor boost frequency	2.4 GHz	Intel Flex Memory Access	✓
Processor cache	15 MB	Intel® Smart Cache	✓
Processor cache type	L3	Intel® AES New Instructions (Intel® AES-NI)	✓
L3 cache speed	1.9 GHz	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	95 W	Intel Trusted Execution Technology	✓
Box *	✓	Intel Enhanced Halt State	✓
VID Voltage Range	0.6 - 1.35 V	Intel VT-x with Extended Page Tables (EPT)	✓
Stepping	C2	Intel Demand Based Switching	✓
Bus type	QPI	Intel Virtualization Technology (VT-x)	✓
Number of QPI links	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory bandwidth supported by processor (max)	32 GB/s	Intel® vPro™ Platform Eligibility	✓
Memory		Weight & dimensions	
Maximum internal memory supported by processor	375 GB	Processor package size	45 mm
Memory types supported by processor	DDR3-SDRAM	Other features	
Memory clock speeds supported by processor	800,1066,1333 MHz	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Memory channels *	Triple-channel		
ECC	✓		
Features			
Execute Disable Bit	✓		
Idle States	✓		

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