



HP Intel Xeon E5-2637 processor 3 GHz 5 MB L3

Brand : HP

Product code: 662330-B21

Product name : Intel Xeon E5-2637



Intel Xeon E5-2637 (5M Cache, 3.00 GHz, 8.00 GT/s)

HP Intel Xeon E5-2637. Processor family: Intel® Xeon® E5 Family, Processor socket: LGA 2011 (Socket R), Processor lithography: 32 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 750 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server. Processor package size: 52.5 mm. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x

Processor		Graphics	
Processor model *	E5-2637	On-board graphics card *	✗
Processor base frequency *	3 GHz	Features	
Processor family *	Intel® Xeon® E5 Family	Execute Disable Bit	✓
Processor cores *	2	Idle States	✓
Processor socket *	LGA 2011 (Socket R)	Thermal Monitoring Technologies	✓
Component for	Server/workstation	Market segment	Server
Processor lithography *	32 nm	Processor special features	
Processor threads	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	8 GT/s	Intel® Turbo Boost Technology	2.0
Processor operating modes *	64-bit	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3.5 GHz	Intel Virtualization Technology (VT-x)	✓
Processor cache	5 MB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache type	L3	Intel® vPro™ Platform Eligibility	✓
Thermal Design Power (TDP)	80 W	Operational conditions	
VID Voltage Range	0.60 - 1.35 V	Tcase	70 °C
Number of QPI links	2	Weight & dimensions	
Memory bandwidth supported by processor (max)	51.2 GB/s	Processor package size	52.5 mm
Memory		Other features	
Maximum internal memory supported by processor	750 GB	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Memory types supported by processor	DDR3-SDRAM		
Memory clock speeds supported by processor	800,1066,1333,1600 MHz		
Memory channels *	Quad-channel		
ECC	✓		

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