



## HP Intel Xeon E3-1271 v3 processor 3.6 GHz 8 MB L3

Brand : HP

Product code: G5L82AV

Product name : Intel Xeon E3-1271 v3

Intel Xeon E3-1271 v3, 3.6 GHz (4 GHz Turbo), 8 MB Cache, 5 GT/s, 22 nm, 64-bit

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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 model *	E3-1271V3	PCI Express configurations	1x16, 2x8, 1x8+2x4
Processor base frequency *	3.6 GHz	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor family *	Intel® Xeon® E3 V3 Family	Scalability	1S
Processor cores *	4	Embedded options available	✗
Processor socket *	LGA 1150 (Socket H3)	Thermal solution specification	PCG 2013D
Component for	Server/workstation	<b>Processor special features</b>	
Processor lithography *	22 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	8	Intel® Identity Protection Technology (Intel® IPT)	✓
System bus rate	5 GT/s	Intel® Turbo Boost Technology	2.0
Processor operating modes *	64-bit	Intel Fast Memory Access	✓
Processor boost frequency	4 GHz	Intel Flex Memory Access	✓
Processor cache	8 MB	Intel® Smart Cache	✓
Processor cache type	L3	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	80 W	Enhanced Intel SpeedStep Technology	✓
Bus type	QPI	Intel Trusted Execution Technology	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel VT-x with Extended Page Tables (EPT)	✓
<b>Memory</b>		Intel Demand Based Switching	✓
Maximum internal memory supported by processor	32 GB	Intel® Secure Key	✓
Memory types supported by processor	DDR3-SDRAM	Intel TSX-NI	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel Stable Image Platform Program (SIPP)	✓
Memory channels *	Dual-channel	Intel Virtualization Technology (VT-x)	✓
ECC	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
<b>Graphics</b>		Intel® vPro™ Platform Eligibility	✓
On-board graphics card *	✗	<b>Other features</b>	
<b>Features</b>		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		
Maximum number of PCI Express lanes	16		
PCI Express slots version	3.0		

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