



HP Intel Xeon E3-1231 v3 processor 3.4 GHz 8 MB L3

Brand : HP

Product code: G5L79AV

Product name : Intel Xeon E3-1231 v3



Intel Xeon E3-1231 v3, 3.4 GHz (3.8 GHz Turbo), 8 MB Cache, 5GT/s, 22 nm, 64-bit

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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		Features	
Processor model *	E3-1231V3	PCI Express configurations	1x16, 2x8, 1x8+2x4
Processor base frequency *	3.4 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	Processor special features	
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	3.8 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)	✓
Memory		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)	✓
Graphics		Intel® vPro™ Platform Eligibility	✓
On-board graphics card *	✗	Other features	
Features		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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Publication date: 29-DEC-2023. Prints or copies of Information are only valid on the printed Publication date