



HP Intel Xeon E3-1230 v2 processor 3.3 GHz 8 MB L3

Brand : HP

Product code: 690029-001

Product name : Intel Xeon E3-1230 v2



Intel Xeon E3-1230 v2 (8M Cache, 3.30 GHz)

HP Intel Xeon E3-1230 v2. Processor family: Intel® Xeon® E3 V2 Family, Processor socket: LGA 1155 (Socket H2), Processor lithography: 22 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 32 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, PCI Express configurations: 1x16+1x4, 1x8+3x4, 2x8+1x4, Supported instruction sets: AVX, SSE4.1, SSE4.2. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x

Processor		Features	
Processor model *	E3-1230V2	Thermal Monitoring Technologies	✓
Processor base frequency *	3.3 GHz	Market segment	Server
Processor family *	Intel® Xeon® E3 V2 Family	PCI Express slots version	3.0
Processor cores *	4	PCI Express configurations	1x16+1x4, 1x8+3x4, 2x8+1x4
Processor socket *	LGA 1155 (Socket H2)	Supported instruction sets	AVX, SSE4.1, SSE4.2
Component for	Server/workstation	Embedded options available	✗
Processor lithography *	22 nm	Processor special features	
Processor threads	8	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	5 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	2.0
Processor boost frequency	3.7 GHz	Intel Fast Memory Access	✓
Processor cache	8 MB	Intel Flex Memory Access	✓
Processor cache type	L3	Intel® Smart Cache	✓
Thermal Design Power (TDP)	69 W	Enhanced Intel SpeedStep Technology	✓
Stepping	E1	Intel VT-x with Extended Page Tables (EPT)	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel Demand Based Switching	✓
Memory		Intel Virtualization Technology (VT-x)	✓
Maximum internal memory supported by processor	32 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory types supported by processor	DDR3-SDRAM	Intel® vPro™ Platform Eligibility	✓
Memory clock speeds supported by processor	1333,1600 MHz	Operational conditions	
Memory channels *	Dual-channel	Tcase	65.8 °C
ECC	✓	Other features	
Graphics		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		
Idle States	✓		

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Publication date: 01-JAN-2024. Prints or copies of Information are only valid on the printed Publication date