



HP Intel Xeon E3-1245 v2 processor 3,4 GHz 8 MB L3

Brand : HP

Product code: B9C69AV

Product name : Intel Xeon E3-1245 v2

Intel Xeon E3-1245 v2 (8M Cache, 3.40 GHz)

HP Intel Xeon E3-1245 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. On-board graphics card model: Intel® HD Graphics P4000, On-board graphics card base frequency: 650 MHz, On-board graphics card dynamic frequency (max): 1250 MHz. Market segment: Server, PCI Express configurations: 1x16+1x4, 1x8+3x4, 2x8+1x4, Supported instruction sets: AVX, SSE4.1, SSE4.2. Processor package size: 37.5 mm

Processor		Features	
Processor model *	E3-1245V2	Market segment	Server
Processor base frequency *	3,4 GHz	PCI Express slots version	3.0
Processor family *	Intel® Xeon® E3 V2 Family	PCI Express configurations	1x16+1x4, 1x8+3x4, 2x8+1x4
Processor cores *	4	Supported instruction sets	AVX, SSE4.1, SSE4.2
Processor socket *	LGA 1155 (Socket H2)	CPU configuration (max)	1
Component for	Server/workstation	Processor special features	
Processor lithography *	22 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	8	Intel® Turbo Boost Technology	2.0
System bus rate	5 GT/s	Intel® Quick Sync Video Technology	✓
Processor operating modes *	64-bit	Intel® InTru™ 3D Technology	✓
Processor boost frequency	3,8 GHz	Intel FDI Technology	✓
Processor cache	8 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache type	L3	Intel Dual Display Capable Technology	✓
Thermal Design Power (TDP)	77 W	Intel Fast Memory Access	✓
Stepping	E1	Intel Flex Memory Access	✓
Bus type	DMI	Intel® Smart Cache	✓
Memory bandwidth supported by processor (max)	25,6 GB/s	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory		Enhanced Intel SpeedStep Technology	✓
Maximum internal memory supported by processor	32 GB	Intel Trusted Execution Technology	✓
Memory types supported by processor	DDR3-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel Demand Based Switching	✓
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 *	✓	Weight & dimensions	
On-board graphics card model *	Intel® HD Graphics P4000	Processor package size	37.5 mm
On-board graphics card base frequency	650 MHz	Other features	
On-board graphics card dynamic frequency (max)	1250 MHz	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Number of displays supported (on-board graphics)	3		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		

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