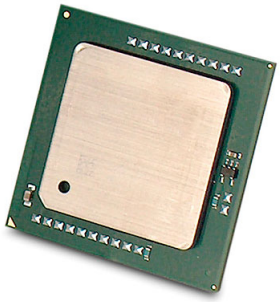
HP Intel Xeon E3-1225 v2 processor 3.2 GHz



Brand : HP

Product code: 690028-001

Product name : Intel Xeon E3-1225 v2

3.2 GHz, 8 MB, 5 GT/s, 22 nm

HP Intel Xeon E3-1225 v2 processor 3.2 GHz:

Options, accessories, services and support for all your HP and Compaq products.
HP Intel Xeon E3-1225 v2. Processor family: Intel® Xeon® E3 V2 Family, Processor lithography: 22 nm, Processor model: E3-1225V2. 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. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x

Processor	
Processor model *	E3-1225V2
Processor base frequency *	3.2 GHz
Processor family *	Intel® Xeon® E3 V2 Family
Processor cores *	4
Component for	Server/workstation
Processor lithography *	22 nm
Processor threads	4
System bus rate	5 GT/s
Processor operating modes *	32-bit, 64-bit
Processor boost frequency	3.6 GHz
Thermal Design Power (TDP)	77 W
Memory bandwidth supported by processor (max)	25.6 GB/s

Memory	
Maximum internal memory supported by processor	32 GB
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	1333,1600 MHz
Memory channels *	Dual-channel
ECC	✓

Graphics	
On-board graphics card *	✓
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
Number of displays supported (on-board graphics)	3

Features	
Execute Disable Bit	✓
Idle States	✓
Thermal Monitoring Technologies	✓
Market segment	Server

Features	
PCI Express slots version	3.0
PCI Express configurations	1x16+1x4, 1x8+3x4, 2x8+1x4
Embedded options available	✗

Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Intel® Identity Protection Technology (Intel® IPT)	✓
Intel® Turbo Boost Technology	✓
Intel® Quick Sync Video Technology	✓
Intel® InTru™ 3D Technology	✓
Intel FDI Technology	✓
Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Intel Fast Memory Access	✓
Intel Flex Memory Access	✓
Intel® AES New Instructions (Intel® AES-NI)	✓
Enhanced Intel SpeedStep Technology	✓
Intel Trusted Execution Technology	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel Demand Based Switching	✓
Intel TSX-NI	✗
Intel Virtualization Technology (VT-x)	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel® vPro™ Platform Eligibility	✓

Other features	
Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x

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