

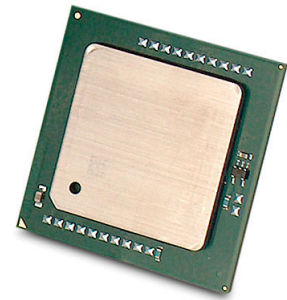


HP Intel Xeon E3-1270 processor 3.4 GHz 8 MB Smart Cache

Brand : HP

Product code: 638635-001

Product name : Intel Xeon E3-1270



Intel Xeon E3-1270, 8M Cache, 3.4 GHz, 5 GT/s DMI

HP Intel Xeon E3-1270 processor 3.4 GHz 8 MB Smart Cache:

Options, accessories, services and support for all your HP and Compaq products.

HP Intel Xeon E3-1270. Processor family: Intel® Xeon® E3 Family, Processor socket: LGA 1155 (Socket H2), Processor lithography: 32 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 32 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: AVX, SSE4.1, SSE4.2. Compatibility: Z210



Processor		Features	
Processor model *	E3-1270	Supported instruction sets	AVX, SSE4.1, SSE4.2
Processor base frequency *	3.4 GHz	CPU configuration (max)	1
Processor family *	Intel® Xeon® E3 Family	Embedded options available	✗
Processor cores *	4	Processor special features	
Processor socket *	LGA 1155 (Socket H2)	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Component for	Server/workstation	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor lithography *	32 nm	Intel® Turbo Boost Technology	2.0
Processor series	Intel Xeon E3-1200	Intel® Quick Sync Video Technology	✗
Processor threads	8	Intel® InTru™ 3D Technology	✗
System bus rate	5 GT/s	Intel® Wireless Display (Intel® WiDi)	✗
Processor operating modes *	64-bit	Intel FDI Technology	✗
Processor boost frequency	3.8 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Processor cache	8 MB	Intel Fast Memory Access	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Thermal Design Power (TDP)	80 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Stepping	D2	Enhanced Intel SpeedStep Technology	✓
Bus type	DMI	Intel Trusted Execution Technology	✓
Memory bandwidth supported by processor (max)	21 GB/s	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel Demand Based Switching	✓
Maximum internal memory supported by processor	32 GB	Intel 64	✓
Memory types supported by processor	DDR3-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory clock speeds supported by processor	1066,1333 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels *	Dual-channel	Intel® vPro™ Platform Eligibility	✓
ECC	✓	Operational conditions	
Graphics		Tcase	69.1 °C
On-board graphics card *	✗	Other features	
Features		Compatibility	Z210
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		
Maximum number of PCI Express lanes	20		
PCI Express slots version	2.0		

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