

Intel Xeon E3-1240V2 processor 3.4 GHz 8 MB Smart Cache

Brand : Intel

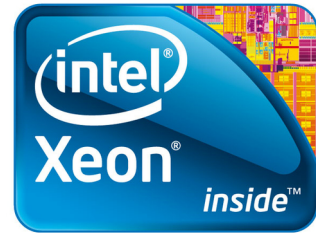
Product family: Xeon

Product code:
CM8063701098201

Product name : E3-1240V2

Intel® Xeon® Processor E3-1240 v2
(8M Cache, 3.40 GHz)

Intel Xeon E3-1240V2. 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, 2x8, 1x8, 3x4, Supported instruction sets: SSE4.1, SSE4.2, AVX. Intel® Turbo Boost Technology 2.0 frequency: 3.8 GHz. Package type: Retail box



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	2.0
Processor model *	E3-1240V2	Intel Fast Memory Access	✓
Processor base frequency *	3.4 GHz	Intel Flex Memory Access	✓
Processor family *	Intel® Xeon® E3 V2 Family	Intel® Smart Cache	✓
Processor cores *	4	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 1155 (Socket H2)	Enhanced Intel SpeedStep Technology	✓
Component for	Server/workstation	Intel Trusted Execution Technology	✓
Processor lithography *	22 nm	Intel® Turbo Boost Technology 2.0 frequency	3.8 GHz
Processor series	Intel Xeon E3-1200 v2	Intel® Transactional Synchronization Extensions	✗
Processor threads	8	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	5 GT/s	Intel Demand Based Switching	✓
Processor operating modes *	64-bit	Intel TSX-NI	✗
Processor boost frequency	3.8 GHz	Intel 64	✓
Processor cache	8 MB	Intel Identity Protection Technology version	1.00
Processor cache type	Smart Cache	Intel Virtualization Technology (VT-x)	✓
L3 cache speed	3.40 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Thermal Design Power (TDP)	69 W	Intel TSX-NI version	0.00
Box *	✗	Conflict-Free processor	✗
Cooler included *	✗	Intel® vPro™ Platform Eligibility	✓
Compatible chipsets	Intel® C202, Intel® C204, Intel® C206, Intel® C216	Technical details	
Stepping	E1	Bus bandwidth	5
Bus type	DMI	Bus type units	GT/s
CPU multiplier (bus/core ratio)	34	Launch date	Q2'12
Memory bandwidth supported by processor (max)	25.6 GB/s	Processor cache	8192 KB
Processor codename	Ivy Bridge	Product type	Processor
Processor code	SR0P5	Status	Discontinued
Processor ARK ID	65730	Maximum memory	32.77 GB
Memory			
Maximum internal memory supported by processor	32 GB		
Memory types supported by processor	DDR3-SDRAM		

Memory		Technical details	
Memory clock speeds supported by processor	1066 MHz	Processor brand name	Intel Xeon
Memory channels *	Dual-channel	Supported memory types	DDR3-SDRAM
ECC	✓	Last change	63903513
Features		Product family	Intel Xeon Processor E3 v2 Family
Execute Disable Bit	✓	Bus speed	5 GT/s
Thermal Monitoring Technologies	✓	Logistics data	
Market segment	Server	Harmonized System (HS) code	8542310001
PCI Express slots version	3.0	Packaging data	
PCI Express configurations	1x16, 1x4, 2x8, 1x8, 3x4	Package type	Retail box
Supported instruction sets	SSE4.1, SSE4.2, AVX	Weight & dimensions	
CPU configuration (max)	1	Processor package size	37.5 x 37.5 mm
Embedded options available	✗	Other features	
PCI Express CEM revision	3.0	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Export Control Classification Number (ECCN)	5A992C	Compatibility	Intel S1200KP, S1200BTSR, S1200KPR, S1200BTLR, R1304BTLSHBNR, R1304BTLSFANR, R1304BTSSFANR, P4304BTLSHCNR, P4304BTLSFANR, P4304BTLSSFCNR, P4304BTSSFANR
Commodity Classification Automated Tracking System (CCATS)	G077159	Maximum internal memory	32.77 GB
Processor special features		Maximum internal memory	33554 MB
Intel® Hyper Threading Technology (Intel® HT Technology)	✓		
Intel® Identity Protection Technology (Intel® IPT)	✓		

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