

## Intel Xeon E3-1285V4 processor 3.5 GHz 6 MB L3

**Brand :** Intel

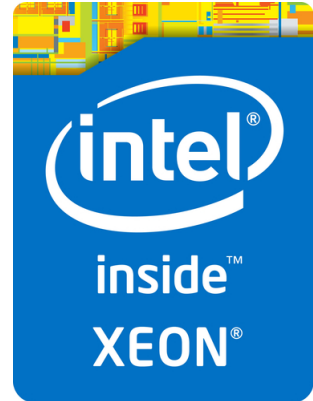
**Product family:** Xeon

**Product code:**  
CM8065802482701

**Product name :** E3-1285V4

Intel® Xeon® Processor E3-1285 v4  
(6M Cache, 3.50 GHz)

Intel Xeon E3-1285V4. Processor family: Intel® Xeon® E3 v4, Processor socket: LGA 1150 (Socket H3), Processor lithography: 14 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 32 GB, Memory types supported by processor: DDR3-SDRAM, DDR3L-SDRAM. On-board graphics card model: Intel® Iris™ Pro Graphics P6300, Embedded DRAM (eDRAM) memory: 128 MB, Maximum on-board graphics card memory: 32 GB. Market segment: Server, PCI Express configurations: 1x16, Supported instruction sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 3.8 GHz



Processor		Features	
Processor manufacturer *	Intel	Commodity Classification	
Processor model *	E3-1285V4	Automated Tracking System (CCATS)	G077159
Processor base frequency *	3.5 GHz	<b>Processor special features</b>	
Processor family *	Intel® Xeon® E3 v4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores *	4	Intel® Turbo Boost Technology	2.0
Processor socket *	LGA 1150 (Socket H3)	Intel® Quick Sync Video Technology	✓
Component for	Server/workstation	Intel FDI Technology	✓
Processor lithography *	14 nm	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor series	Intel Xeon E3-1200 v4	Enhanced Intel SpeedStep Technology	✓
Processor threads	8	Intel Trusted Execution Technology	✓
System bus rate	5 GT/s	Intel® Turbo Boost Technology 2.0 frequency	3.8 GHz
Processor operating modes *	64-bit	Intel® Transactional Synchronization Extensions	✓
Processor boost frequency	3.8 GHz	Intel Enhanced Halt State	✓
Processor cache	6 MB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Processor cache type	L3	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	95 W	Intel TSX-NI	✓
Box *	✗	Intel® OS Guard	✓
Cooler included *	✗	Intel Clear Video Technology	✓
Stepping	G0	Intel 64	✓
Bus type	DMI		
Memory bandwidth supported by processor (max)	29.8 GB/s		
Processor codename	Broadwell		
Processor code	SR2CX		
Processor ARK ID	88046		

Memory		Processor special features	
Maximum internal memory supported by processor	32 GB	Intel Virtualization Technology (VT-x)	✓
Memory types supported by processor	DDR3-SDRAM, DDR3L-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speeds supported by processor	1333,1600,1866 MHz	Intel TSX-NI version	1.00
Memory voltage supported by processor	1.5 V	Conflict-Free processor	✓
Memory channels *	Dual-channel	Intel® vPro™ Platform Eligibility	✓
ECC	✓	Technical details	
Graphics		Born on date	Q2'15
On-board graphics card *	✓	Bus bandwidth	5
On-board graphics card model *	Intel® Iris™ Pro Graphics P6300	Bus type units	GT/s
Embedded DRAM (eDRAM) memory	128 MB	Graphics max dynamic frequency	1.15 GHz
Maximum on-board graphics card memory	32 GB	Launch date	Q2'15
On-board graphics card base frequency	300 MHz	Number of graphics cores	3
On-board graphics card dynamic frequency (max)	1150 MHz	Processor cache	6144 KB
On-board graphics card burst frequency	1150 MHz	Product name	Intel Xeon E3-1285 v4 (6M Cache, 3.50 GHz)
Number of displays supported (on-board graphics)	3	Product type	Processor
Number of execution units	48	Status	Discontinued
Features		Maximum graphics card memory	16384 MB
Execute Disable Bit	✓	Maximum memory	32 GB
Idle States	✓	Processor brand name	Intel Xeon
Market segment	Server	Supported memory types	DDR3-SDRAM, DDR3L-SDRAM
Maximum number of PCI Express lanes	16	Last change	63903513
PCI Express slots version	3.0	Product family	Intel Xeon Processor E3 v4 Family
PCI Express configurations	1x16	Bus speed	5 GT/s
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Maximum graphics card memory	32 GB
Scalability	1S	Logistics data	
CPU configuration (max)	1	Harmonized System (HS) code	85423119
Embedded options available	✗	Weight & dimensions	
Thermal solution specification	PCG 2013B	Processor package size	37.5 x 37.5 mm
PCI Express CEM revision	3.0	Other features	
Export Control Classification Number (ECCN)	5A992C	Intel® Virtualization Technology (Intel® VT)	VT-x, VT-d
		Compatibility	Intel Server System R1208RPMISHOR, R1304RPMISHOR, R1304RPOSHBN, R1304RPSSFBN, P4308RPLSHDR, Intel Server Board S1200V3RPL, S1200V3RPM, S1200V3RPO, S1200V3RPS
		Maximum internal memory	32 GB
		Maximum internal memory	32768 MB
		Cache memory	6 MB



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