

Intel Xeon E3-1240 v3 processor 3.4 GHz 8 MB Smart Cache Box

Brand : Intel

Product family: Xeon

Product code:
BX80646E31240V3

Product name : E3-1240 v3

Intel® Xeon® Processor E3-1240 v3
(8M Cache, 3.40 GHz)

Intel Xeon E3-1240 v3. Processor family: Intel® Xeon® E3 V3 Family, Processor socket: LGA 1150 (Socket H3), Processor lithography: 22 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 32 GB, Memory types supported by processor: DDR3-SDRAM, DDR3L-SDRAM. Market segment: Server, PCI Express configurations: 1x16, 2x8, 1x8+2x4, Supported instruction sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 3.8 GHz. Package width: 70 mm, Package depth: 116 mm, Package height: 101 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel Flex Memory Access	✓
Processor model *	E3-1240V3	Intel® Smart Cache	✓
Processor base frequency *	3.4 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor family *	Intel® Xeon® E3 V3 Family	Enhanced Intel SpeedStep Technology	✓
Processor cores *	4	Intel Trusted Execution Technology	✓
Processor socket *	LGA 1150 (Socket H3)	Intel® Turbo Boost Technology 2.0 frequency	3.8 GHz
Component for	Server/workstation	Intel® Transactional Synchronization Extensions	✓
Processor lithography *	22 nm	Intel Enhanced Halt State	✓
Processor series	Intel Xeon E3-1200 v3	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	8	Intel® Secure Key	✓
System bus rate	5 GT/s	Intel TSX-NI	✓
Processor operating modes *	64-bit	Intel Stable Image Platform Program (SIPP)	✓
Processor boost frequency	3.8 GHz	Intel® OS Guard	✓
Processor cache	8 MB	Intel 64	✓
Processor cache type	Smart Cache	Intel Identity Protection Technology version	1.00
Thermal Design Power (TDP)	80 W	Intel Secure Key Technology version	1.00
Box *	✓	Intel Stable Image Platform Program (SIPP) version	1.00
Cooler included *	✓	Intel Virtualization Technology (VT-x)	✓
Stepping	C0	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Bus type	QPI	Intel TSX-NI version	1.00
Memory bandwidth supported by processor (max)	25.6 GB/s	Conflict-Free processor	✗
Processor codename	Haswell	Intel® vPro™ Platform Eligibility	✓
Processor code	SR152		
Processor ARK ID	75055		
Memory			
Maximum internal memory supported by processor	32 GB		

Memory		Technical details	
Memory types supported by processor	DDR3-SDRAM, DDR3L-SDRAM	Born on date	Q2'13
Memory clock speeds supported by processor	1333,1600 MHz	Bus bandwidth	5
Memory channels *	Dual-channel	Bus type units	GT/s
ECC	✓	Launch date	Q2'13
Graphics		Processor cache	8192 KB
On-board graphics card *	✓	Product name	Intel Xeon E3-1240 v3 (8M Cache, 3.40 GHz)
On-board graphics card model *	Not available	Product type	Processor
Features		Status	Discontinued
Execute Disable Bit	✓	Maximum memory	32 GB
Idle States	✓	Processor brand name	Intel Xeon v2
Thermal Monitoring Technologies	✓	Supported memory types	DDR3-SDRAM, DDR3L-SDRAM
Market segment	Server	Last change	63903513
Maximum number of PCI Express lanes	16	Product family	Intel Xeon Processor E3 v3 Family
PCI Express slots version	3.0	Bus speed	5 GT/s
PCI Express configurations	1x16, 2x8, 1x8+2x4	Logistics data	
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Harmonized System (HS) code	8542310001
Scalability	1S	Packaging data	
CPU configuration (max)	1	Package width	70 mm
Embedded options available	✗	Package depth	116 mm
Graphics & IMC lithography	22 nm	Package height	101 mm
Thermal solution specification	PCG 2013D	Package weight	373 g
PCI Express CEM revision	3.0	Package type	Retail box
Export Control Classification Number (ECCN)	5A992C	Weight & dimensions	
Commodity Classification Automated Tracking System (CCATS)	G077159	Processor package size	37.5 x 37.5 mm
Processor special features		Other features	
Intel® Anti-Theft Technology (Intel® AT)	✓	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Compatibility	Intel R1304RPSSFBN, R1304RPOSHBN, R1208RPOSHOR, P4308RPLSHDR, R1208RPM SHOR, R1304RPM SHOR, S1200V3RPL, S1200V3RPS, S1200V3RPO, S1200V3RPM
Intel® Identity Protection Technology (Intel® IPT)	✓	Maximum internal memory	32 GB
Intel® Turbo Boost Technology	2.0	Maximum internal memory	32768 MB
Intel Fast Memory Access	✓	Cache memory	8 MB



5032037050074



0735858259583



735858259583

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.