

Memory		Technical details	
Memory clock speeds supported by processor	800,1066,1333,1600 MHz	Born on date	Q1'14
Memory channels *	Triple-channel	Bus bandwidth	7.2
ECC	✓	Bus type units	GT/s
Graphics		Launch date	Q1'14
On-board graphics card *	✗	Processor cache	20480 KB
Features		Processor core voltage	0.65-1.30 V
Execute Disable Bit	✓	Product name	Intel Xeon E5-2440 v2 (20M Cache, 1.90 GHz)
Idle States	✓	Product type	Processor
Thermal Monitoring Technologies	✓	Status	Launched
Market segment	Server	Maximum memory	384 GB
Maximum number of PCI Express lanes	24	Processor brand name	Intel Xeon v2
PCI Express slots version	3.0	Supported memory types	DDR3-SDRAM
PCI Express configurations	x4, x8, x16	Last change	63903513
Supported instruction sets	AVX	Product family	Intel Xeon Processor E5 v2 Family
Bandwidth	7.2 MB/s	Bus speed	7.2 GT/s
Scalability	2S	Logistics data	
Physical Address Extension (PAE)	✓	Harmonized System (HS) code	8542310001
CPU configuration (max)	2	Packaging data	
Embedded options available	✗	Package width	44 mm
Physical Address Extension (PAE)	46 bit	Package depth	140 mm
PCI Express CEM revision	3.0	Package height	117 mm
Export Control Classification Number (ECCN)	5A992C	Weight & dimensions	
Commodity Classification Automated Tracking System (CCATS)	G077159	Processor package size	45mm x 42.5mm
Processor special features		Other features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
		Maximum internal memory	384 GB
		Maximum internal memory	393216 MB
		Cache memory	20 MB

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