

## Intel Xeon E5-2403V2 processor 1.8 GHz 10 MB Smart Cache

**Brand :** Intel

**Product family:** Xeon

**Product code:**  
CM8063401286702

**Product name :** E5-2403V2

Intel® Xeon® Processor E5-2403 v2  
(10M Cache, 1.80 GHz)

Intel Xeon E5-2403V2. Processor family: Intel® Xeon® E5 V2 Family, Processor socket: LGA 1356 (Socket B2), Processor lithography: 22 nm. Memory channels: Triple-channel, Maximum internal memory supported by processor: 384 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, PCI Express configurations: x4, x8, x16, Supported instruction sets: AVX. Package width: 44 mm, Package depth: 140 mm, Package height: 117 mm. Processor package size: 45mm x 42.5mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor model *	E5-2403V2	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor base frequency *	1.8 GHz	Intel® Turbo Boost Technology	✗
Processor family *	Intel® Xeon® E5 V2 Family	Intel Flex Memory Access	✗
Processor cores *	4	Intel® Smart Cache	✓
Processor socket *	LGA 1356 (Socket B2)	Intel® AES New Instructions (Intel® AES-NI)	✓
Component for	Server/workstation	Enhanced Intel SpeedStep Technology	✓
Processor lithography *	22 nm	Intel Trusted Execution Technology	✓
Processor series	Intel Xeon E5-2400 v2	Intel® Transactional Synchronization Extensions	✗
Processor threads	4	Intel Enhanced Halt State	✓
System bus rate	6.4 GT/s	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes *	64-bit	Intel Demand Based Switching	✓
Processor boost frequency	1.8 GHz	Intel® Secure Key	✓
Processor cache	10 MB	Intel TSX-NI	✗
Processor cache type	Smart Cache	Intel® OS Guard	✓
L3 cache speed	1.8 GHz	Intel 64	✓
Thermal Design Power (TDP)	80 W	Intel Identity Protection Technology version	0.00
Box *	✗	Intel Secure Key Technology version	1.00
Cooler included *	✗	Intel Virtualization Technology (VT-x)	✓
VID Voltage Range	0.65 - 1.3 V	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Stepping	S1	Intel TSX-NI version	0.00
Bus type	QPI	Conflict-Free processor	✗
Number of QPI links	1		
Memory bandwidth supported by processor (max)	32 GB/s		
Processor codename	Ivy Bridge EN		
Processor code	SR1AL		
Processor ARK ID	75975		
Memory		Operational conditions	
Maximum internal memory supported by processor	384 GB	Tcase	76 °C
Memory types supported by processor	DDR3-SDRAM		
Memory clock speeds supported by processor	800,1066,1333 MHz	Technical details	
Memory channels *	Triple-channel	Born on date	Q1'14
ECC	✓	Bus bandwidth	6.4
		Bus type units	GT/s
		Launch date	Q1'14

Graphics		Technical details	
On-board graphics card *	✘	Processor cache	10240 KB
Features		Processor core voltage	0.65-1.30 V
Execute Disable Bit	✔	Product name	Intel Xeon E5-2403 v2 (10M Cache, 1.80 GHz)
Idle States	✔	Product type	Processor
Thermal Monitoring Technologies	✔	Status	Discontinued
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	6.4 MB/s	Bus speed	6.4 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
		Other features	
		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
		Maximum internal memory	384 GB
		Maximum internal memory	393216 MB
		Cache memory	10 MB

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