

## Intel Xeon E-2336 processor 2.9 GHz 12 MB Smart Cache Box

Brand : Intel

Product family: Xeon

Product code: BX80708E2336

Product name : E-2336

BX80708E2336

Intel Xeon E-2336. Processor family: Intel Xeon E, Processor socket: LGA 1200 (Socket H5), Processor lithography: 14 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 128 GB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Use conditions: Server/Enterprise, PCI Express configurations: 1x16+1x4, 2x8+1x4, 1x8+3x4. Intel® Turbo Boost Technology 2.0 frequency: 4.8 GHz, Maximum Enclave Size Support for Intel® SGX: 0.5 GB. Package type: Retail box



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	E-2336	Intel® Turbo Boost Technology	2.0
Processor base frequency *	2.9 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor family *	Intel Xeon E	Enhanced Intel SpeedStep Technology	✓
Processor cores *	6	Intel Trusted Execution Technology	✓
Processor socket *	LGA 1200 (Socket H5)	Intel® Memory Protection Extensions (Intel® MPX)	✓
Component for	Server/workstation	Intel® Turbo Boost Technology 2.0 frequency	4.8 GHz
Processor lithography *	14 nm	Intel® Transactional Synchronization Extensions	✗
Processor threads	12	Maximum Enclave Size Support for Intel® SGX	0.5 GB
System bus rate	8 GT/s	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes *	64-bit	Intel® Secure Key	✓
Processor boost frequency	4.8 GHz	Intel® OS Guard	✓
Processor cache	12 MB	Intel Software Guard Extensions (Intel SGX)	✓
Processor cache type	Smart Cache	Intel 64	✓
Thermal Design Power (TDP)	65 W	Intel Virtualization Technology (VT-x)	✓
Box *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Cooler included *	✗	Intel® Boot Guard	✓
Processor ARK ID	212253	Intel® Optane™ DC Persistent Memory Supported	✗
		Intel® vPro™ Platform Eligibility	✓
Memory		Operational conditions	
Maximum internal memory supported by processor	128 GB	Tjunction	100 °C
Memory types supported by processor	DDR4-SDRAM	Technical details	
Memory channels *	Dual-channel	Launch date	Q3'21
ECC	✓	Status	Launched
Graphics		Supported memory types	DDR4-SDRAM
On-board graphics card *	✗	Servicing status	Baseline Servicing
Discrete graphics card *	✗	Logistics data	
On-board graphics card model *	Not available	Harmonized System (HS) code	85423119
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		
Use conditions	Server/Enterprise		
Maximum number of PCI Express lanes	20		
PCI Express slots version	4.0		

Features		Packaging data	
PCI Express configurations	1x16+1x4, 2x8+1x4, 1x8+3x4	Package type	Retail box
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0, AVX-512	Weight & dimensions	
Scalability	1S	Processor package size	37.5 x 37.5 mm
CPU configuration (max)	1	Other features	
Embedded options available	✘	Maximum internal memory	128 GB
Export Control Classification Number (ECCN)	5A992CN3		
Commodity Classification Automated Tracking System (CCATS)	G167599		



5032037230797



0735858495363



735858495363



0675901973748



675901973748

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.