

Intel Xeon E-2324G processor 3.1 GHz 8 MB Smart Cache Box

Brand : Intel

Product family: Xeon

Product code:
BX80708E2324G

Product name : E-2324G

Intel Xeon E2324G Processor 8M Cache 3.10 GHz

Intel Xeon E-2324G. 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. On-board graphics card model: Intel UHD Graphics P750, Maximum on-board graphics card memory: 64 GB, On-board graphics card base frequency: 350 MHz. Market segment: Server, Use conditions: Server/Enterprise, PCI Express configurations: 1x16+1x4, 2x8+1x4, 1x8+3x4. Intel® Turbo Boost Technology 2.0 frequency: 4.6 GHz, Maximum Enclave Size Support for Intel® SGX: 0.5 GB



Processor		Features	
Processor manufacturer *	Intel	Maximum number of PCI Express lanes	20
Processor model *	E-2324G	PCI Express slots version	4.0
Processor base frequency *	3.1 GHz	PCI Express configurations	1x16+1x4, 2x8+1x4, 1x8+3x4
Processor family *	Intel Xeon E	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0, AVX-512
Processor cores *	4	Scalability	1S
Processor socket *	LGA 1200 (Socket H5)	CPU configuration (max)	1
Component for	Server/workstation	Embedded options available	✓
Processor lithography *	14 nm	Export Control Classification Number (ECCN)	5A992CN3
Processor threads	4	Commodity Classification Automated Tracking System (CCATS)	G167599
System bus rate	8 GT/s	Processor special features	
Processor operating modes *	64-bit	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor boost frequency	4.6 GHz	Intel® Turbo Boost Technology	2.0
Processor cache	8 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel® InTru™ 3D Technology	✓
Thermal Design Power (TDP)	65 W	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Box *	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
Cooler included *	✗	Enhanced Intel SpeedStep Technology	✓
Processor ARK ID	212255	Intel Trusted Execution Technology	✓
Memory		Intel® Memory Protection Extensions (Intel® MPX)	✓
Maximum internal memory supported by processor	128 GB	Intel® Turbo Boost Technology 2.0 frequency	4.6 GHz
Memory types supported by processor	DDR4-SDRAM	Intel® Transactional Synchronization Extensions	✗
Memory channels *	Dual-channel	Maximum Enclave Size Support for Intel® SGX	0.5 GB
ECC	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Graphics		Intel® Secure Key	✓
On-board graphics card *	✓	Intel® OS Guard	✓
Discrete graphics card *	✗	Intel Clear Video Technology	✓
On-board graphics card model *	Intel UHD Graphics P750	Intel Software Guard Extensions (Intel SGX)	✓
Maximum on-board graphics card memory	64 GB	Intel 64	✓
On-board graphics card base frequency	350 MHz		
On-board graphics card dynamic frequency (max)	1300 MHz		
Number of displays supported (on-board graphics)	1		
On-board graphics card 4K support	✓		
On-board graphics card DirectX version	12.1		

Graphics		Processor special features	
On-board graphics card OpenGL version	4.5	Intel Virtualization Technology (VT-x)	✓
On-board graphics card maximum resolution (DisplayPort)	5120 x 3200 pixels	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	5120 x 3200 pixels	Intel® Boot Guard	✓
On-board graphics card maximum resolution (HDMI)	4096 x 2160 pixels	Intel® Optane™ DC Persistent Memory Supported	✗
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Intel® vPro™ Platform Eligibility	✓
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Operational conditions	
On-board graphics card refresh rate at maximum resolution (HDMI)	60 Hz	Tjunction	100 °C
On-board graphics card ID	0x4C9A	Technical details	
Discrete graphics card model *	Not available	Launch date	Q3'21
Number of execution units	32	Status	Launched
Features		Supported memory types	DDR4-SDRAM
Execute Disable Bit	✓	Servicing status	Baseline Servicing
Idle States	✓	Logistics data	
Thermal Monitoring Technologies	✓	Harmonized System (HS) code	85423119
Market segment	Server	Packaging data	
Use conditions	Server/Enterprise	Package type	Retail box
		Weight & dimensions	
		Processor package size	37.5 x 37.5 mm
		Other features	
		Maximum internal memory	128 GB



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