

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

Brand : Intel

Product family: Xeon

Product code: CM8070804496015

Product name : Intel® Xeon® E-2324G Processor (8M Cache, 3.10 GHz)

Intel Xeon E2324G Processor 8M Cache 3.10 GHz

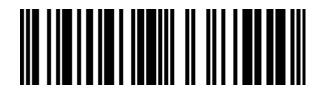
Intel Xeon E-2324G. Processor family: Intel Xeon E, Processor socket: LGA 1200 (Socket H5), Processor lithography: 14 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 128 GB, Memory types supported by processor: DDR4-SDRAM. On-board graphics card model: Intel UHD Graphics P750, Maximum on-board graphics card memory: 64 GB, On-board graphics card base frequency: 350 MHz. Market segment: Server, PCI Express configurations: 1x16+1x4, 2x8+1x4, 1x8+3x4, Supported instruction sets: SSE4.1, SSE4.2, AVX 2.0, AVX-512. Intel® Turbo Boost Technology 2.0 frequency: 4.6 GHz, Maximum Enclave Size Support for Intel® SGX: 0.5 GB





Processor		Features	
Processor manufacturer * Processor model *	Intel E-2324G	Export Control Classification Number (ECCN)	5A992CN3
Processor base frequency *	3.1 GHz	Commodity Classification	01 07 00
Processor family *	Intel Xeon E	Automated Tracking System (CCATS)	G167599
Processor cores *	4	Processor special features	
Processor socket *	LGA 1200 (Socket H5)	Intel® Hyper Threading Technology	
Component for Processor lithography *	Server/workstation 14 nm	(Intel® HT Technology)	×
Processor threads	4	Intel® Turbo Boost Technology	2.0
System bus rate	8 GT/s	Intel [®] Quick Sync Video Technology	
Processor operating modes *	64-bit	Intel® InTru [™] 3D Technology	4
Processor boost frequency	4.6 GHz	Intel [®] Clear Video HD Technology (Intel [®] CVT HD)	✓
Processor cache	8 MB	Intel® AES New Instructions (Intel®	1
Processor cache type	Smart Cache	AES-NI)	v
Thermal Design Power (TDP)	65 W	Enhanced Intel SpeedStep Technology	1
Box *	X	Intel Trusted Execution Technology	1
Cooler included * Processor ARK ID	× 212255	Intel® Memory Protection	
	212255	Extensions (Intel® MPX)	1
Memory		Intel® Turbo Boost Technology 2.0	4.6 GHz
Maximum internal memory supported by processor	128 GB	frequency Intel® Transactional	
Memory types supported by		Synchronization Extensions	×
processor	DDR4-SDRAM	Maximum Enclave Size Support for	0.5 GB
Memory channels *	Dual-channel	Intel® SGX	
ECC	1	Intel VT-x with Extended Page Tables (EPT)	✓
Graphics		Intel® Secure Key	1
On-board graphics card *	1	Intel [®] OS Guard	1
Discrete graphics card *	×	Intel Clear Video Technology	1
On-board graphics card model *	Intel UHD Graphics P750	Intel Software Guard Extensions (Intel SGX)	1
Maximum on-board graphics card memory	64 GB	Intel 64	1
On-board graphics card base frequency	350 MHz	Intel Virtualization Technology (VT- x)	4
On-board graphics card dynamic frequency (max)	1300 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card 4K support	✓	Intel [®] Boot Guard	✓
On-board graphics card OpenGL version	4.5	Intel® Optane [™] DC Persistent Memory Supported	×
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Intel® vPro™ Platform Eligibility	4

Graphics		Operational conditions	
On-board graphics card refresh rate	60 Hz	Tjunction	100 °C
at maximum resolution (eDP - Integrated Flat Panel)		Technical details	
On-board graphics card refresh rate at maximum resolution (HDMI)	60 Hz	Launch date Status	Q3'21 Launched
Discrete graphics card model *	Not available	Supported memory types	DDR4-SDRAM
Number of execution units	32	Servicing status	Baseline Servicing
Features		Logistics data	
Execute Disable Bit	✓	Harmonized System (HS) code	85423119
Idle States	4	Packaging data	
Thermal Monitoring Technologies Market segment	v Server	Package type	Retail box
Maximum number of PCI Express lanes	20	Weight & dimensions	
PCI Express slots version	4.0	Processor package size	37.5 x 37.5 mm
PCI Express configurations	1x16+1x4, 2x8+1x4, 1x8+3x4	Other features	
Supported instruction sets Scalability	SSE4.1, SSE4.2, AVX 2.0, AVX-512 1S	Maximum internal memory	128 GB
CPU configuration (max)	1		





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